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DEPARTMENT OF ENERGY
Environmental Management Los Alamos Field Office (EM-LA)
Los Alamos, New Mexico 87544

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Hazardous Waste
Bureau

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

Dear Mr. Kieling:

Subject: Submittal of the Annual Periodic Monitoring Report for the General Surveillance Monitoring Group

Enclosed please find two hard copies with electronic files of the annual periodic monitoring report (PMR) for the General Surveillance monitoring group. The PMR includes results from the sampling campaigns performed during the fourth quarter of monitoring year 2017 and the first, second, and third quarters of monitoring year 2018.

This report is submitted in accordance with Appendix E, Section IV, of the June 2016 Compliance Order on Consent, as modified on February 27, 2017.

If you have any questions, please contact Steve Veenis at (505) 309-1362 (steve.veenis@em-la.doe.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,

Arturo Q. Duran
Designated Agency Manager
Environmental Management
Los Alamos Field Office

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EM-LA-40AD-00355

November 2018
EM2018-0065

Annual Periodic Monitoring Report for the General Surveillance Monitoring Group

N3B Los Alamos

Newport News Nuclear BWXT – Los Alamos, LLC (N3B), under the U.S. Department of Energy Office of Environmental Management Contract No. 89303318CEM000007 (the Los Alamos Legacy Cleanup Contract), has prepared this document pursuant to the Compliance Order on Consent, signed June 24, 2016. The Compliance Order on Consent contains requirements for the investigation and cleanup, including corrective action, of contamination at Los Alamos National Laboratory. The U.S. government has rights to use, reproduce, and distribute this document. The public may copy and use this document without charge, provided that this notice and any statement of authorship are reproduced on all copies.

EM2018-0065

Annual Periodic Monitoring Report for the General Surveillance Monitoring Group

November 2018

Responsible program director:

Printed Name	Signature	Title	Organization	Date
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Responsible DOE-EM-LA representative:

Printed Name	Signature	Title	Organization	Date
Arturo Q. Duran		Designated Agency Manager	Office of Quality and Regulatory Compliance	11/26/18

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents results for the General Surveillance monitoring group of the Newport News Nuclear BWXT – Los Alamos, LLC (N3B) groundwater monitoring program that have not been previously reported. All monitoring work reported in this PMR was conducted pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2017 Monitoring Year, October 2016–September 2017” and the “Interim Facility-Wide Groundwater Monitoring Plan for the 2018 Monitoring Year, October 2017–September 2018,” both prepared in accordance with the Compliance Order on Consent.

This PMR presents monitoring results for ten periodic monitoring events (PMEs) conducted during the fourth quarter of monitoring year 2017 (MY 2017) and the first, second, and third quarters of MY 2018, and includes the monitoring of surface-water, groundwater spring, and groundwater well or well screen locations. Two of the PMEs were conducted in the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group, three in the Mortandad and Sandia watershed portion, two in the Water Canyon/Cañon de Valle portion, one in the White Rock Canyon and Rio Grande portion, and two in the Pajarito portion. This PMR also includes any results from earlier general surveillance PMEs conducted in these watersheds that have not yet been reported because validated laboratory data were not available (in some cases because of data release agreements).

Surface-water and groundwater samples collected during the PMEs were analyzed for metals; volatile organic compounds; semivolatile organic compounds; polychlorinated biphenyls; dioxins and furans; high explosives; radionuclides, including low-level tritium; general inorganic chemicals, including perchlorate; and field parameters (dissolved oxygen, oxidation-reduction potential, pH, specific conductance, temperature, and turbidity).

One surface-water analytical result reported in this PMR was above applicable screening values.
Eight groundwater analytical results reported in this PMR were above applicable screening values.

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Acronyms and Abbreviations

AOC	area of concern
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.)
F	filtered
gpm	gallons per minute
HE	high explosives
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
MY	monitoring year
N	no (best value flag code)
N3B	Newport News Nuclear BWXT – Los Alamos, LLC
NM	not measured
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NM HH OO	NMWQCC human-health organism only, surface water quality standard
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PCB	polychlorinated biphenyl
PME	periodic monitoring event

PMR	periodic monitoring report
QC	quality control
RCRA	Resource Conservation and Recovery Act
RDX	Royal Demolition Explosive
RFI	RCRA facility investigation
RLWTF	Radioactive Liquid Waste Treatment Facility
SU	standard unit
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TA	technical area
TDS	total dissolved solids
TNT	2,4,6-trinitrotoluene
UF	unfiltered
VOC	volatile organic compound
Y	yes (best value flag code)

1.0 INTRODUCTION

This Annual Periodic Monitoring Report for the General Surveillance monitoring group (hereafter, the annual PMR) provides documentation of the following surface-water and groundwater periodic monitoring events (PMEs) conducted by Los Alamos National Laboratory (LANL or the Laboratory) or Newport News Nuclear BWXT – Los Alamos, LLC (N3B). (During the third quarter of fiscal year 2018, environmental remediation work transitioned from the Laboratory, under the U.S. Department of Energy [DOE] National Nuclear Security Administration, to N3B under the DOE Office of Environmental Management.)

Watershed Portion of the General Surveillance Monitoring Group	PMEs Reported in this PMR		PME Field Sampling	
	MY[a]	Quarter	Begin	End
Los Alamos/Pueblo	2018	1	12/12/17	12/13/17
		3	06/12/18	06/26/18
Mortandad/Sandia	2017	4	07/27/17	08/09/17
	2018	1	11/15/17	11/28/17
		3	05/15/18	05/15/18
Pajarito	2018	1	11/01/17	11/01/17
		3	04/10/18	04/19/18
Water Canyon/Cañon de Valle	2017	4	n/a[b]	n/a
	2018	2	n/a	n/a
White Rock Canyon/Rio Grande	2018	1	10/03/17	10/12/17

[a] MY = Monitoring year.

[b] n/a = Not applicable; no samples were collected during this PME.

The annual PMR for the General Surveillance monitoring group is submitted to the New Mexico Environment Department (NMED) every November and includes monitoring group PMEs performed through the third quarter of the monitoring year (MY). This PMR presents monitoring results for ten PMEs conducted during the fourth quarter of MY 2017 and the first, second, and third quarters of MY 2018.

Monitoring was conducted pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2017 Monitoring Year, October 2016–September 2017” (2017 IFGMP) (LANL 2016, 601506) and the “Interim Facility-Wide Groundwater Monitoring Plan for the 2018 Monitoring Year, October 2017–September 2018” (2018 IFGMP) (LANL 2017, 602406), both prepared in accordance with the Compliance Order on Consent (Consent Order). The PMEs noted above included sampling of surface water, groundwater spring, and groundwater well (or well screen) locations.

This report also includes any results from previous General Surveillance monitoring group PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Additional results from sampling that occurred outside the time frame of a PME are also included in this report.

Section IX of the Consent Order describes the role of data screening in the corrective action process. Screening values are used to identify the *potential* for unacceptable risk resulting from the presence of contaminants in groundwater and surface water. New Mexico Water Quality Control Commission (NMWQCC) groundwater standards, U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), NMED screening levels for tap water, and EPA regional screening levels for tap water are used to establish a set of screening values for evaluating IFGMP monitoring data. If contaminants are

present at concentrations above screening values, additional risk evaluation is required to determine the potential need for cleanup (corrective action).

This report presents the following information:

- general background information on the monitoring group
- field-measurement monitoring results
- water-quality monitoring results
- screening analysis results
- a summary based on the monitoring data and the results of screening analysis

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

1.1 Background

Most of the monitoring locations discussed in the 2017 IFGMP (LANL 2016, 601506) and 2018 IFGMP (LANL 2017, 602406) are assigned to area-specific monitoring groups related to project areas that may be located in more than one watershed. Locations not included within one of these six area-specific monitoring groups are assigned to the General Surveillance monitoring group. This annual PMR presents monitoring results for the Los Alamos/Pueblo, Mortandad/Sandia, Pajarito, Water Canyon/Cañon de Valle, and White Rock Canyon/Rio Grande watershed portions of the General Surveillance monitoring group.

Los Alamos and Pueblo Watersheds

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

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

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

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

Mortandad and Sandia Watersheds

Monitoring locations in Mortandad and Sandia Canyons, other than locations in the General Surveillance monitoring group, are assigned to the Chromium Investigation monitoring group, which is located in Mortandad and Sandia Canyons, and the Material Disposal Area C (MDA C) monitoring group, located in Mortandad Canyon. Monitoring for the Chromium Investigation monitoring group focuses on the characterization and fate and transport of chromium contamination in intermediate-perched groundwater and within the regional aquifer. The distribution of groundwater monitoring wells in the monitoring group also addresses historical releases from Outfall 051, which discharges from the Radioactive Liquid Waste Treatment Facility (RLWTF) in the Mortandad Canyon watershed. Effluent discharge was suspended in 2011 because of process changes at the RLWTF. Monitoring for the MDA C monitoring group focuses on detecting potential releases from inactive waste disposal units at MDA C.

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

Mortandad Canyon is an east-to-southeast trending canyon that heads on the Pajarito Plateau near the main Laboratory complex at TA-03 at an elevation of 7380 ft. The drainage extends about 9.6 mi from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft. The canyon crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande (LANL 1997, 056835). The Mortandad Canyon watershed is located in the central portion of the Laboratory and covers approximately 10 mi^2. The Mortandad Canyon watershed contains several tributary canyons that have received contaminants released during Laboratory operations, including Ten Site Canyon, Pratt Canyon, Effluent Canyon, and Cañada del Buey. Technical areas located in the Mortandad Canyon watershed include TA-03, TA-05, TA-35, TA-48, TA-50, TA-52, TA-55, TA-60, TA-63, former TA-04, and former TA-42. A total of 257 SWMUs and AOCs are located within the portions of these technical areas in the Mortandad Canyon watershed.

Chromium concentrations exceed the NMED groundwater standard in Mortandad Canyon regional aquifer groundwater monitoring wells R-28, R-62, R-42, R-43, and R-50. Other constituents detected above background in groundwater monitoring wells in the monitoring group include nitrate, perchlorate, and tritium. A conceptual model for the sources and distribution of these contaminants is presented in the “Investigation Report for Sandia Canyon” (LANL 2009, 107453) and the “Phase II Investigation Report for Sandia Canyon” (LANL 2012, 228624).

The conceptual model hypothesizes that chromium and other contaminants originate from releases into Sandia Canyon with lateral migration pathways that move contamination to locations beneath Mortandad Canyon. For this reason, intermediate-perched and regional groundwater monitoring wells

beneath Mortandad Canyon are included in the Chromium Investigation monitoring group. Other areas of contamination beneath Sandia and Mortandad Canyons may be associated with Mortandad Canyon sources. These sources and the migration pathways are described in the “Investigation Report for Sandia Canyon” (LANL 2009, 107453) and the “Phase II Investigation Report for Sandia Canyon” (LANL 2012, 228624).

MDA C, located on Mesita del Buey in TA-50, at the head of Ten Site Canyon, is an inactive 11.8-acre landfill consisting of 7 disposal pits and 108 shafts. Solid low-level radioactive wastes and chemical wastes were disposed of in the landfill between 1948 and 1974. The depths of the 7 pits at MDA C range from 12 ft to 25 ft below the original ground surface. The depths of the 108 shafts range from 10 ft to 25 ft below the original ground surface. The original ground surface is defined as beneath the cover that was placed over the site in 1984. The pits and shafts are constructed in the Tshirege Member of the Bandelier Tuff. The regional aquifer is estimated to be approximately 1330 ft deep based on the water level in well R-46 (LANL 2009, 105592). The topography of MDA C is relatively flat, although the slope steepens to the north where the northeast corner of MDA C abuts the south wall of Ten Site Canyon.

Vapor-phase volatile organic compounds (VOCs) and tritium are present in the upper 500 ft of the unsaturated zone beneath MDA C (LANL 2011, 204370). The primary vapor-phase contaminants beneath MDA C are trichloroethene and tritium. There is no evidence of groundwater contamination in the regional aquifer. MDA C is located on a mesa top above thick, unsaturated units of the Bandelier Tuff; therefore, present-day aqueous-phase transport is generally believed to be minimal.

Pajarito Canyon Watershed

Monitoring locations in Pajarito Canyon, other than locations in the General Surveillance monitoring group, are assigned to the TA-54 Investigation monitoring group, which is located predominantly in Pajarito Canyon. At TA-54, groundwater monitoring is conducted to support both (1) the corrective measures process for SWMUs and AOCs (particularly MDAs G, H, and L) under the Consent Order and (2) the Resource Conservation and Recovery Act (RCRA) permit. The TA-54 monitoring group was established to address the monitoring requirements for all portions and aspects of TA-54. The TA-54 monitoring group includes both intermediate-perched and regional groundwater monitoring wells in the near vicinity. Other downgradient groundwater monitoring wells have general relevance to TA-54 and other upgradient sources but are not considered part of the TA-54 monitoring network and are not included in the monitoring group.

Pajarito Canyon has a drainage that extends into the Sierra de los Valles, west of the Laboratory. Saturated alluvium occurs in lower Pajarito Canyon near the eastern Laboratory boundary but does not extend beyond the boundary. In the past, the Laboratory released small amounts of wastewater into tributaries of Pajarito Canyon from several high-explosives– (HE-) processing sites at TA-09 and a plating facility at TA-22. Some firing sites border portions of tributaries Twomile and Threemile Canyons. A nuclear materials experimental facility occupied the floor of Pajarito Canyon at TA-18. Waste management areas at TA-54, used for disposal of organic chemicals and low-level radioactive waste, occupy the mesa north of the lower part of the canyon. A small contaminated area of shallow intermediate groundwater occurs behind a former Laboratory warehouse location at TA-03. The main groundwater impacts are from organic chemicals and from HE. The occurrence of surface water, alluvial groundwater, and intermediate-perched and regional groundwater is discussed in the Pajarito Canyon Investigation Report, Revision 1 (LANL 2009, 106939).

TA-54 is situated in the east-central portion of the Laboratory on Mesita del Buey. TA-54 includes four MDAs designated as G, H, J, and L; a waste characterization, container storage, and transfer facility (TA-54 West); active radioactive waste storage and disposal operations at Area G; hazardous and mixed

waste storage operations at Area L; and administrative and support areas. The transfer facility is located at the western end of TA-54. A total of 47 SWMUs and AOCs are located within TA-54.

Data from the groundwater monitoring network around TA-54 show sporadic detections of a variety of contaminants, including several VOCs. The temporal and spatial nature of the occurrences does not, however, clearly indicate the presence of a source related to potential sources at TA-54 (LANL 2009, 106939). Further evaluations of existing groundwater data near TA-54 and detailed descriptions of organic and inorganic contaminants detected in intermediate-perched and regional groundwater at TA-54 are presented in the corrective measures evaluation reports for MDAs G, H, and L (LANL 2011, 206324; LANL 2011, 206319; LANL 2011, 205756).

Water Canyon and Cañon de Valle Watersheds

Monitoring locations in Water Canyon and Cañon de Valle, other than locations in the General Surveillance monitoring group, are assigned to the TA-16 260 monitoring group. The TA-16 260 monitoring group was established for the upper Water Canyon/Cañon de Valle watershed to monitor contaminants released from Consolidated Unit 16-021(c)-99, which is the TA-16 260 Outfall (hereafter, the 260 Outfall), and other sites at TA-16. The 260 Outfall is a former HE-machining outfall that discharged HE-bearing water to Cañon de Valle from 1951 through 1996 and is the predominant source of contaminants detected in groundwater in the Water Canyon/Cañon de Valle area. These discharges contaminated soils, sediments, surface waters, spring waters, and intermediate-perched and regional groundwater at TA-16.

The TA-16 260 monitoring group includes base flow, springs, alluvial groundwater monitoring wells, and groundwater monitoring wells completed in several deeper intermediate-perched groundwater zones and in the regional aquifer. Shallow monitoring locations such as the springs and alluvial wells are included in this monitoring group because they contain HE, barium, and VOC contamination related to past activities at the 260 Outfall and other sites in the area.

TA-16 is located in the southwest corner of the Laboratory and was established to develop explosive formulations, cast and machine explosive charges, and assemble and test explosive components for the nuclear weapons program. TA-16 is bordered by Bandelier National Monument along NM 4 to the south and by the Santa Fe National Forest along NM 501 to the west. To the north and east, it is bordered by TA-08, TA-09, TA-11, TA-14, TA-15, TA-37, and TA-49. Water Canyon, which is 200 ft deep with steep walls, separates NM 4 from active sites at TA-16. Cañon de Valle forms the northern border of TA-16.

Discharges from the former 260 Outfall at Consolidated Unit 16-021(c)-99 from 1951 to 1996 served as a primary source of HE and inorganic contamination found throughout the site (LANL 1998, 059891; LANL 2003, 085531). Results of the 260 Outfall corrective measures evaluation (LANL 2007, 098734) show the drainage channel below the outfall and the canyon bottom, as well as surface water, alluvial groundwater, and intermediate-perched groundwater, are contaminated with explosive compounds, including RDX (Royal Demolition Explosive); HMX (octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine); TNT (2,4,6-trinitrotoluene); and barium. In addition, the VOCs tetrachloroethene and trichloroethene have been detected in springs, alluvial groundwater, and intermediate-perched groundwater.

White Rock Canyon and Rio Grande Watershed

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

2.0 SCOPE OF ACTIVITIES

The PMEs for the General Surveillance monitoring group were conducted pursuant to the 2017 IFGMP (LANL 2016, 601506) and 2018 IFGMP (LANL 2017, 602406).

Table 2.0-1 provides the name, watershed, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge or flow rate for each of the planned monitoring locations. These locations are shown Plates 1 through 5, which are the location maps for the Los Alamos/Pueblo, Mortandad/Sandia, Pajarito, Water Canyon/Cañon de Valle, and White Rock Canyon/Rio Grande watershed portions of the General Surveillance monitoring group, respectively.

3.0 REGULATORY CRITERIA

Regulatory criteria related to groundwater quality form the basis for the screening values to which groundwater monitoring results are compared in this PMR. These criteria include the NMWQCC groundwater standards, EPA MCLs, NMED screening levels for tap water, and EPA regional screening levels for tap water. These criteria are used to screen results in accordance with the process specified in Section IX of the Consent Order as listed in Table 3.0-1. This screening process is described in more detail in section 5.2.

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2017 IFGMP (LANL 2016, 601506) and 2018 IFGMP (LANL 2017, 602406).

4.2 Field Parameter Results

Appendix A presents the field parameter measurements associated with the sampling and analysis data that are reported in this PMR.

4.3 Groundwater Elevations and Base-Flow Observations

The groundwater level is measured at each groundwater monitoring location before purging and sampling that location as required by the Consent Order. Section 4.4 notes any instances where this requirement could not be met.

While groundwater-level data is collected before purging and sampling, for most monitoring locations, groundwater-level data is also collected “continuously” (e.g., hourly, daily), and these data are voluntarily presented in this PMR. Any gaps in the continuous groundwater-level records presented in this PMR are a result of one or more of the following conditions:

- Dry well
- Well not equipped with a pressure (level) transducer
- Water level below transducer
- Transducer not functioning properly (including failure)
- Transducer temporarily removed from well for maintenance and/or calibration

Groundwater-level data for the previous 2 yr are presented in Appendix B (on CD included with this document). For wells equipped with transducers, the reported water level is the first water-level measurement collected that day. The groundwater-elevation measurements for the General Surveillance monitoring group are shown graphically on Plates 6 and 7 for the Los Alamos/Pueblo and Mortandad/Sandia watershed portions, respectively, and Plates 8 and 9 for the Pajarito watershed portion and Water Canyon/Cañon de Valle watershed portions, respectively.

Base-flow measurements are shown graphically on Plates 10 and 11 for the Mortandad/Sandia and White Rock Canyon/Rio Grande watershed portions of the General Surveillance monitoring group, respectively.

4.4 Deviations from Planned Scope

Table 4.4-1 summarizes the deviations from the planned monitoring scope that were experienced while conducting the work associated with the monitoring data reported in this PMR.

Table 4.4-2 presents a list of analytes with method detection limits (MDLs) greater than screening values. MDLs vary for an analyte if that analyte was measured using more than one analytical method and the amount of sample extracted for analysis varied. The techniques and methods available to N3B-subcontracted laboratories at the time these analyses were conducted resulted in MDLs greater than the screening values. The analytical method and analytical laboratory are included in Table 4.4-2 for reference.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

Methods and procedures used to perform PME analytical activities are documented in the MY 2017 IFGMP (LANL 2016, 601506) and the MY 2018 IFGMP (LANL 2017, 602406). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and the “Land Application of Groundwater” procedure. The “Land Application of Groundwater” procedure implements the NMED-approved decision tree for land application of drilling, development, rehabilitation, and 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. N3B has received ownership of all applicable procedures and is operating to them. Completed chain-of-custody forms serve as analytical request forms and include the requester or owner, field sample ID, program code, date and time of sample collection, sample matrix, total number of bottles, list of analytical groups to be measured, bottle sizes, and preservatives for each required analysis.

Data validation determines the quality of an analytical data set and focuses on specific quality control (QC) samples, such as matrix spikes, duplicates, surrogates, method blanks, and laboratory control samples, as well as evaluating holding times, all of 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.

The required analytical laboratory batch QC is defined by the analytical method, the analytical statement of work, and generally accepted industry practices. The analytical laboratory assigns qualifiers to the data to indicate the quality of the analytical results. The laboratory batch QC is used by the analytical laboratory in a data validation process to evaluate the quality of individual analytical results.

In addition to batch QC performed by analytical laboratories, in-house field QC samples are submitted to test the overall field sampling program and to provide additional QC on the laboratory analytical process. The field QC sample results may be used in additional focused validation, along with information provided by the analytical laboratory.

After the analytical laboratory submits data packages, the data in the packages receive in-house secondary validation. As a result of secondary validation, a second set of qualifiers is assigned to the analytical results. Secondary validation is currently done by an automated process after the data are loaded.

Auto validation ensures that the electronic data deliverable contains all the required fields, verifies that results of all QC checks and procedures are within valid criteria limits, and applies specific qualifiers and reason codes per EPA's National Functional Guidelines for data review in addition to the internal data validation SOPs. After auto validation is completed, the data are uploaded into the internal database system and the public database (http://intellusnm.com/).

A detection status is assigned 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.

5.2 Analytical Data

Appendix C presents the analytical data for the 10 PMEs reported in this PMR and from the 4 sampling events at these locations immediately before these PMEs. 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 PMEs (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 spikes and matrix spike duplicates, and field blanks, trip blanks, and equipment blanks are not included in the data set.
  - Field duplicates, re-analyses, 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.
  - Other than above, 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.

Monitoring data are evaluated using the screening process described below. The sources for standards and screening levels from which specific screening values are established are listed in Table 3.0-1.

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral (Table 5.2-1). Along with a hardness value, this category determines the screening values used for data at each monitoring location. Hardness-dependent screening values used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location. Hardness-dependent acute and chronic criteria were used for total recoverable 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.
- Groundwater data are screened in accordance to Section IX of the Consent Order. For an individual substance, the lower of the NMWQCC groundwater standard or EPA MCL is used as the screening value.
- If an NMWQCC groundwater standard or an MCL has not been established for a specific substance for which toxicological information is published, the NMED screening level for tap water is used as the groundwater screening value. The NMED screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the screening levels are based on a 10^{-5} excess cancer risk. This report was prepared using the March 2017 NMED screening levels for tap water.

- If an NMED screening level for tap water has not been established for a specific substance for which toxicological information is published, the EPA regional screening level for tap water is used as the groundwater screening value. The EPA screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the Consent Order specifies screening at a 10^{-5} excess cancer risk. The EPA screening levels for tap water are for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used in the screening process. This report was prepared using the November 2017 EPA regional screening levels for tap water.
- 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 5.2-2 or Appendix D.

Appendix D presents each analytical result that is greater than half of its applicable screening value. Results with a best value flag of N are included in Appendix D but not discussed in the text.

Table 5.2-2 provides groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above screening values. Multiple detections are included in the table except for field duplicate exceedances. For example, if aluminum was detected above its screening value in both a primary sample and a field duplicate, only the primary sample result is shown. If aluminum was detected above its screening value in two primary samples, both results are shown.

For the data reported in this PMR, Plate 12 presents the maximum concentrations detected at General Surveillance monitoring group locations for the analytes which exceeded the respective screening values at more than one sampling location. For example, filtered manganese was detected above the NMWQCC groundwater standard (screening value) at more than one spring, and all manganese values reported are shown in addition to the screening value exceedances, which are highlighted.

Graphs in Appendix E display analyte concentration histories for monitoring group locations where the analyte was above its screening value at least once in the following expanded data set: data reported in this PMR plus data for the three previous General Surveillance monitoring group PMEs. Appendix E may include instances where the analyte data reported in this PMR are evaluated using a higher screening value than the screening value that was used to evaluate previously reported analyte data. For example, the current screening value for perchlorate, 13.8 µg/L per 2016 Consent Order data screening requirements, is greater than the former perchlorate screening value of 4 µg/L, which was used to evaluate previously reported analyte data. The horizontal solid red line on each graph depicts the current analyte screening value, except in cases where there were no exceedances of the current screening value by the data reported in this PMR but there was at least one exceedance of the former (lower) screening value by the previously reported analytical data. In such cases, the horizontal solid red line depicts the former (lower) screening value. Results with a best value flag of N are not included in Appendix E.

5.2.1 Surface Water (Base Flow)

Table 5.2-2 shows that one surface-water analytical result reported in this PMR was above the applicable screening value. This screening value exceedance was for unfiltered aluminum.

Rio Grande at Otowi Bridge

For the October 4, 2017, sampling event at location Rio Grande at Otowi Bridge, unfiltered aluminum was detected at 9660 µg/L. This concentration was above the hardness-based NMWQCC aquatic life standard for chronic exposure (screening value) of 1370 µg/L (based on 100 mg/L hardness). The range of previous unfiltered aluminum concentrations detected at Rio Grande at Otowi Bridge since July 2008 is 650 µg/L to 5960 µg/L.

5.2.2 Groundwater

Table 5.2-2 shows that eight groundwater analytical results reported in this PMR were above applicable screening values. These eight screening value exceedances were for the following six analytes: chloride (filtered), cyanide (unfiltered), 1,4-dioxane (unfiltered), manganese (filtered), 1,1,1-trichloroethane (unfiltered), and total dissolved solids (TDS) (filtered).

Groundwater Springs

Lower Sandia Spring

For the October 3, 2017, sampling event at Lower Sandia Spring, manganese was detected at 340 µg/L. This concentration was above the NMWQCC groundwater standard (screening value) of 200 µg/L. This result is from the first sampling event at Lower Sandia Spring.

Sacred Spring

For the October 3, 2017, sampling event at Sacred Spring, manganese was detected at 302 µg/L. This concentration was above the NMWQCC groundwater standard (screening value) of 200 µg/L. Previous manganese concentrations detected at Sacred Spring since 2005 range from 31.5 µg/L to 994 µg/L.

Spring 3AA

For the October 10, 2017, sampling event at Spring 3AA, cyanide was detected at 0.228 mg/L. This concentration was above the EPA MCL (screening value) of 0.2 mg/L. This result was the first detection of cyanide at Spring 3AA. The range of previous cyanide detection limits at Spring 3AA since 2005 is 0.0015 µg/L to 0.0025 µg/L.

Alluvial Monitoring Wells

18-MW-18

For the April 11, 2018, sampling event at 18-MW-18, chloride was detected at 399 mg/L and TDS were detected at 1010 mg/L. These concentrations were above the NMWQCC groundwater standards (screening values) of 250 mg/L for chloride and 1000 mg/L for TDS, respectively.

The range of chloride concentrations previously detected at 18-MW-18 since August 2006 is 51.3 mg/L to 539 mg/L. TDS concentrations previously detected at 18-MW-18 since August 2006 range from 235 mg/L to 1470 mg/L.

Intermediate Monitoring Wells

03-B-13

For the November 1, 2017, sampling event at 03-B-13, 1,4-dioxane was detected at 47 µg/L. For the April 10, 2018, sampling event at 03-B-13, 1,4-dioxane was detected at 45 µg/L and 1,1,1-trichloroethane was detected at 71 µg/L. These concentrations were above the NMED tap water screening level (screening value) of 4.59 µg/L for 1,4-dioxane and the NMWQCC groundwater standard (screening value) of 60 µg/L for 1,1,1-trichloroethane.

The range of 1,4-dioxane concentrations previously detected at 03-B-13 since June 2006 is 6.22 µg/L to 4640 µg/L. The 1,1,1-trichloroethane concentrations previously detected at 03-B-13 since June 2006 range from 39.9 µg/L to 275 µg/L.

5.3 Sampling Program Modifications

No modifications to the currently planned periodic monitoring of the General Surveillance monitoring group are proposed at this time.

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

Appendix A presents the field parameter measurements associated with the sampling and analysis data that are reported in this PMR.

6.2 Analytical Results

6.2.1 Surface Water (Base Flow)

One surface water analytical result reported in this PMR was above the applicable screening value (Table 5.2-2). The unfiltered aluminum concentration (9660 µg/L) detected at Rio Grande at Otowi Bridge on October 4, 2017, is the highest observed to date.

6.2.2 Groundwater

A total of eight groundwater analytical results reported in this PMR were above applicable screening values (Table 5.2-2). For results above screening values, the types of contaminants detected and their concentrations are consistent with data reported in previous PMRs for this monitoring group, with the following exceptions.

- The filtered manganese concentration (340 µg/L) detected at Lower Sandia Spring on October 3, 2017, is the first sample collected at this location.
- The unfiltered cyanide concentration (0.228 mg/L) detected at Spring 3AA on October 10, 2017, is the first detection of cyanide at this location.

6.3 Data Gaps

Table 4.4-1 summarizes the deviations from the planned monitoring scope that were experienced while conducting the work associated with the monitoring data reported in this PMR.

6.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the General Surveillance monitoring group because no systems are installed in this monitoring group.

7.0 REFERENCES

The following reference list includes documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ERID, ESHID, or EMID. This information is also included in text citations. ERIDs were assigned by the Laboratory's Associate Directorate for Environmental Management (IDs through 599999); ESHIDs were assigned by the Laboratory's Associate Directorate for Environment, Safety, and Health (IDs 600000 through 699999); and EMIDs are assigned by N3B (IDs 700000 and above). IDs are used to locate documents in N3B's Records Management System and in the Master Reference Set. The NMED Hazardous Waste Bureau and N3B maintain copies of the Master Reference Set. The set ensures that NMED has the references to review documents. The set is updated when new references are cited in documents.

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

LANL (Los Alamos National Laboratory), September 1998. "RFI Report for Potential Release Site 16-021(c)," Los Alamos National Laboratory document LA-UR-98-4101, Los Alamos, New Mexico. (LANL 1998, 059891)

LANL (Los Alamos National Laboratory), November 2003. "Corrective Measures Study Report for Solid Waste Management Unit 16-021(c)-99," Los Alamos National Laboratory document LA-UR-03-7627, Los Alamos, New Mexico. (LANL 2003, 085531)

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

LANL (Los Alamos National Laboratory), August 2007. "Corrective Measures Evaluation Report, Intermediate and Regional Groundwater, Consolidated Unit 16-021(c)-99," Los Alamos National Laboratory document LA-UR-07-5426, Los Alamos, New Mexico. (LANL 2007, 098734)

LANL (Los Alamos National Laboratory), February 2008. "Los Alamos and Pueblo Canyons Groundwater Monitoring Well Network Evaluation and Recommendations, Revision 1," Los Alamos National Laboratory document LA-UR-08-1105, Los Alamos, New Mexico. (LANL 2008, 101330)

LANL (Los Alamos National Laboratory), March 2009. "Completion Report for Regional Aquifer Well R-46," Los Alamos National Laboratory document LA-UR-09-1338, Los Alamos, New Mexico. (LANL 2009, 105592)

LANL (Los Alamos National Laboratory), August 2009. "Pajarito Canyon Investigation Report, Revision 1," Los Alamos National Laboratory document LA-UR-09-4670, Los Alamos, New Mexico. (LANL 2009, 106939)

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

LANL (Los Alamos National Laboratory), June 2011. "Phase III Investigation Report for Material Disposal Area C, Solid Waste Management Unit 50-009, at Technical Area 50," Los Alamos National Laboratory document LA-UR-11-3429, Los Alamos, New Mexico. (LANL 2011, 204370)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area G, Solid Waste Management Unit 54-013(b)-99, at Technical Area 54, Revision 3," Los Alamos National Laboratory document LA-UR-11-4910, Los Alamos, New Mexico. (LANL 2011, 206324)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area H, Solid Waste Management Unit 54-004, at Technical Area 54, Revision 1," Los Alamos National Laboratory document LA-UR-11-5079, Los Alamos, New Mexico. (LANL 2011, 206319)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 2," Los Alamos National Laboratory document LA-UR-11-4798, Los Alamos, New Mexico. (LANL 2011, 205756)

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

LANL (Los Alamos National Laboratory), May 2016. "Interim Facility-Wide Groundwater Monitoring Plan for the 2017 Monitoring Year, October 2016–September 2017," Los Alamos National Laboratory document LA-UR-16-23408, Los Alamos, New Mexico. (LANL 2016, 601506)

LANL (Los Alamos National Laboratory), May 2017. "Interim Facility-Wide Groundwater Monitoring Plan for the 2018 Monitoring Year, October 2017–September 2018," Los Alamos National Laboratory document LA-UR-17-24070, Los Alamos, New Mexico. (LANL 2017, 602406)

NMED (New Mexico Environment Department), March 2017. "Risk Assessment Guidance for Site Investigations and Remediation, Volume 1, Soil Screening Guidance for Human Health Risk Assessments," Hazardous Waste Bureau and Ground Water Quality Bureau, Santa Fe, New Mexico. (NMED 2017, 602273)

Table 2.0-1
General Surveillance Monitoring Group Locations and General Information

Location Name	Watershed	Sampling Event		Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[a])
		MY	Quarter							
Base Flow										
Sandia below Wetlands	Sandia	2017	4	08/08/17	n/a[b]	n/a	n/a	n/a	n/a	112.21
Sandia right fork at Power Plant	Sandia			08/08/17	n/a	n/a	n/a	n/a	n/a	49.37
LA Canyon near Otowi Bridge	Los Alamos	2018	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Mortandad at Rio Grande	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	130
Rio Grande at Otowi Bridge	White Rock			10/04/17	n/a	n/a	n/a	n/a	n/a	601,432
Two Mile Canyon below TA-59	Pajarito	2018	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Springs										
Ancho Spring	White Rock	2018	1	10/11/17	n/a	n/a	n/a	n/a	n/a	0.34
La Mesita Spring	White Rock			10/04/17	n/a	n/a	n/a	n/a	n/a	0.94
Los Alamos Spring	Los Alamos			n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lower Sandia Spring	White Rock			10/03/17	n/a	n/a	n/a	n/a	n/a	0.15
Sacred Spring	White Rock			10/03/17	n/a	n/a	n/a	n/a	n/a	0.44
Sandia Spring	White Rock			n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spring 1	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	0.3
Spring 2	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	0.07
Spring 3	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	20.6
Spring 3A	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	40.4
Spring 3AA	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	0.48
Spring 4	White Rock			10/10/17	n/a	n/a	n/a	n/a	n/a	43.5
Spring 4A	White Rock			10/11/17	n/a	n/a	n/a	n/a	n/a	NM[c]
Spring 4AA	White Rock			10/11/17	n/a	n/a	n/a	n/a	n/a	NM
Spring 4B	White Rock			10/11/17	n/a	n/a	n/a	n/a	n/a	0.12

Table 2.0-1 (continued)

Location Name	Watershed	Sampling Event		Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[a])
		MY	Quarter							
Spring 5	White Rock	2018 (cont'd)	1 (cont'd)	10/11/17	n/a	n/a	n/a	n/a	n/a	5.94
Spring 5A	White Rock			n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spring 5B	White Rock			n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spring 6	White Rock			10/11/17	n/a	n/a	n/a	n/a	n/a	12
Spring 6A	White Rock			10/12/17	n/a	n/a	n/a	n/a	n/a	3.21
Spring 8A	White Rock			10/12/17	n/a	n/a	n/a	n/a	n/a	1.96
Spring 9	White Rock			10/12/17	n/a	n/a	n/a	n/a	n/a	0.82
Spring 9A	White Rock			10/12/17	n/a	n/a	n/a	n/a	n/a	1.1
Upper Mesita Spring	White Rock			10/04/17	n/a	n/a	n/a	n/a	n/a	1
Vine Tree Spring	Los Alamos			12/12/17	n/a	n/a	n/a	n/a	n/a	4.38
Los Alamos Spring	Los Alamos	2018	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Homestead Spring	Pajarito			4/18	n/a	n/a	n/a	n/a	n/a	3.17
Starmer Spring	Pajarito			4/18	n/a	n/a	n/a	n/a	n/a	1.74
Vine Tree Spring	Los Alamos			06/19/18	n/a	n/a	n/a	n/a	n/a	5.83
Alluvial										
CDBO-6	Mortandad	2017	4	n/a	10	34	44	n/a	n/a	n/a
MCO-5	Mortandad			n/a	25	21	46	n/a	n/a	n/a
MCO-7	Mortandad			08/07/17	30	39	69	10.4	11.9	0.19–0.2[d]
SCA-3	Sandia			n/a	4.4	27.6	32	n/a	n/a	n/a
WCO-1r	Water			n/a	10	6.02	16.02	n/a	n/a	n/a
LLAO-1b	Los Alamos	2018	1	n/a	10	11.32	21.32	n/a	n/a	n/a
LLAO-4	Los Alamos			12/13/17	10	5.24	15.24	7.51	7.75	0.25
WCO-1r	Water	2018	2	n/a	10	6.02	16.02	n/a	n/a	n/a
18-MW-18	Pajarito	2018	3	04/11/18	10.5	12.5	23	1.32	3	0.04–0.25[d]

Table 2.0-1 (continued)

Location Name	Watershed	Sampling Event		Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[a])
		MY	Quarter							
LAO-3a	Los Alamos	2018 (cont'd)	3 (cont'd)	06/18/18	10	4.7	14.7	1	1.8	0.15
LLAO-1b	Los Alamos			n/a	10	11.32	21.32	n/a	n/a	n/a
LLAO-4	Los Alamos			06/19/18	10	5.24	15.24	6.65	7	0.25
LAUZ-1	Los Alamos			n/a	5	5.35	10.35	n/a	n/a	n/a
PAO-5n	Pueblo			06/12/18	5	7.43	12.43	2.79	1.92	0.06
PCAO-8	Pajarito			n/a	10	9.7	19.7	n/a	n/a	n/a
Intermediate										
R-12 S1	Sandia	2017	4	07/27/17	8.5	459	467.5	31.97	109	1.15
R-12 S2	Sandia			07/27/17	3.5	504.5	508	53.77	270	10
03-B-13	Pajarito	2018	1	11/01/17	10	21.5	31.5	1.62	4.87	0.053
PCI-2	Pajarito			11/01/17	10	512	522	20.9	62.7	0.51
03-B-13	Pajarito	2018	3	04/10/18	10	21.5	31.5	1.57	4.9	0.079
PCI-2	Pajarito			04/17/18	10	512	522	20.9	64.8	0.48
POI-4	Pueblo			n/a	15	159	174	n/a	n/a	n/a
R-3i	Pueblo			06/21/18	4.8	215.2	220	3.07	12.8	0.85
TW-2Ar	Pueblo			n/a	10	102	112	n/a	n/a	n/a
Regional										
R-10 S1	Sandia	2017	4	n/a	23	874	897	n/a	n/a	n/a
R-10 S2	Sandia			n/a	23	1042	1065	n/a	n/a	n/a
R-10a	Sandia			08/09/17	10	690	700	65.8	200	5
R-16 S2	Mortandad			07/27/17	7.5	863.4	870.9	218	657	5.17
R-16 S4	Mortandad			07/27/17	7.6	1237	1244.6	44.4	236	3.37
R-16r	Mortandad			07/31/17	17.6	600	617.6	54.1	166	5.55
R-34	Mortandad			08/08/17	22.9	883.7	906.6	99.9	446	2.88
R-10 S1	Sandia	2018	1	n/a	23	874	897	n/a	n/a	n/a
R-10 S2	Sandia			n/a	23	1042	1065	n/a	n/a	n/a

Table 2.0-1 (continued)

Location Name	Watershed	Sampling Event		Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[a])
		MY	Quarter							
R-10a	Sandia	2018 (cont'd)	1 (cont'd)	11/16/17	10	690	700	65.8	223	6.38
R-34	Mortandad			11/15/17	22.9	883.7	906.6	99.8	300	2.75
R-2	Pueblo	2018	3	n/a	23.3	906.4	929.6	n/a	n/a	n/a
R-3	Pueblo			06/21/18	20.5	974.5	995	352	1080	6
R-4	Pueblo			06/26/18	23.1	792.9	816	73.8	237	5.26
R-10a	Sandia			05/15/18	10	690	700	65.7	203	5.08
R-17 S1	Pajarito			04/19/18	23	1057	1080	50.6	158	2.11
R-17 S2	Pajarito			04/19/18	10	1124	1134	28.7	89.6	2.24
R-24	Pueblo			06/25/18	23	825	848	115	347	4.62

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

[c] NM = Not measured. Unable to measure flow because of field conditions.

[d] Flow rate was not constant and range of flows is presented.

Table 3.0-1
Sources for Standards and Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 458.1	DOE BCG	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 MCL	X	n/a
NMED Screening Levels[d]	Screening Levels for Tap Water	X	n/a
EPA Regional Screening Levels[e]	Screening Levels for Tap Water	X	n/a
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[f, g]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Chronic	n/a	X[f, g]
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] Reference: "Risk Assessment Guidance for Site Investigations and Remediation," New Mexico Environment Department, March 2017 (NMED 2017, 602273).

[e] Available at https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables.

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

[g] Standard for dissolved chromium(VI) conservatively compared with results for dissolved chromium https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables.

Table 4.4-1
General Surveillance Monitoring Group PME Observations and Deviations

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		MY	Quarter			
CBDO-6	Mortandad	2017	4	A sample was not collected.	The location had insufficient water for sampling. Sampling was cancelled on 07/12/17.	None
MCO-5	Mortandad			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 08/07/17.	None
MCO-7	Mortandad			Seal on field trip blank for VOC sample collected on 08/07/17 was broken.	Unknown	Sample Management Office was contacted and approved use of field trip blank with broken seal.
R-10 S1	Sandia			A sample was not collected.	Sampling at this location was cancelled.	Sampling pump was not working because of mechanical problems.
R-10 S2	Sandia			A sample was not collected.	Sampling at this location was cancelled.	Sampling pump was not working because of mechanical problems.
SCA-3	Sandia			A sample was not collected.	The location had insufficient water for sampling. Sampling was cancelled on 07/12/17.	None
WCO-1r	Water			A sample was not collected.	The location had insufficient water for sampling. Sampling was cancelled on 09/08/17.	None
LA Canyon near Otowi Bridge	Los Alamos	2018	1	A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 12/13/17.	None
LLAO-1b	Los Alamos			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 12/13/17.	None
Los Alamos Spring	Los Alamos			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 12/12/17.	None

Table 4.4-1 (continued)

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		MY	Quarter			
R-10 S1	Sandia	2018 (cont'd)	1 (cont'd)	A sample was not collected.	Sampling at this location was cancelled on 11/14/17.	Sampling pump was not working because of mechanical problems.
R-10 S2	Sandia			A sample was not collected.	Sampling at this location was cancelled on 11/14/17.	Sampling pump was not working because of mechanical problems.
Sandia Spring	White Rock			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 10/03/17.	None
Spring 5A	White Rock			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 10/11/17.	None
Spring 5B	White Rock			A sample was not collected.	The sampling location was under water due to high Rio Grande water level. Sampling was cancelled on 10/11/17.	None
WCO-1r	Water	2018	2	A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 02/09/18.	None
LLAO-1b	Los Alamos	2018	3	A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 06/19/18.	None
LAUZ-1	Los Alamos			A sample was not collected.	The site could not be located. Sampling was cancelled on 06/19/18.	None
Los Alamos Spring	Los Alamos			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 06/19/18.	None

Table 4.4-1 (continued)

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		MY	Quarter			
PAO-5n	Pueblo	2018 (cont'd)	3 (cont'd)	A prioritized sampling suite was collected.	A limited volume of water was available for sample collection.	Samples for metals, VOCs, SVOCs*, general inorganics (partial), and radionuclides (partial) analysis were collected according to the prioritized sampling protocol for the well.
PCAO-8	Pajarito			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 04/11/18.	None
POI-4	Pueblo			A sample was not collected.	The location was inaccessible due to stage 3 fire restrictions.	None
R-2	Pueblo			A sample was not collected.	The location was inaccessible due to stage 3 fire restrictions.	None
TW2-AR	Pueblo			A sample was not collected.	The location was inaccessible due to stage 3 fire restrictions.	None
Two Mile Canyon below TA-59	Pajarito			A sample was not collected.	The location had insufficient water for sampling. The attempted sampling date was 04/18/18.	None

*SVOC = Semivolatile organic compound.

Table 4.4-2
Target Analytes with MDLs above Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Metals						
Thallium	0.6	SW-846:6020	0.47	µg/L	NM HH OO[a]	GEL[b]
Polychlorinated Biphenyls						
Aroclor-1016	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic[c]	GEL
Aroclor-1221	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Aroclor-1232	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Aroclor-1242	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Aroclor-1248	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Aroclor-1254	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Aroclor-1260	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Aroclor-1262	0.037–0.0347	SW-846:8082	0.00064, 0.014	µg/L	NM HH OO, NM Aquatic Chronic	GEL
Semivolatile Organic Compounds						
Atrazine	3–4.17	SW-846:8270D	3	µg/L	EPA MCL	GEL
Azobenzene	3–4.17	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL[d]	GEL
Benzidine	3.9–5.42	SW-846:8270D	0.00109, 0.002	µg/L	NMED A1 TAP SCRN LVL[e], NM HH OO	GEL
Benzo(a)anthracene	0.3–0.417	SW-846:8270D	0.12, 0.18	µg/L	NMED A1 TAP SCRN LVL, NM HH OO	GEL
Benzo(a)pyrene	0.3–0.417	SW-846:8270D	0.18, 0.2	µg/L	NM HH OO, EPA MCL	GEL
Benzo(b)fluoranthene	0.3–0.417	SW-846:8270D	0.18, 0.343	µg/L	NM HH OO, NMED A1 TAP SCRN LVL	GEL
Benzo(k)fluoranthene	0.313	SW-846:8270D	0.18	µg/L	NM HH OO	GEL
Bis(2-chloroethyl)ether	3–4.17	SW-846:8270D	0.137	µg/L	NMED A1 TAP SCRN LVL	GEL
Chloroaniline[4-]	3.3–4.58	SW-846:8270D	3.7	µg/L	EPA TAP SCRN LVL	GEL
Chrysene	0.313	SW-846:8270D	0.18	µg/L	NM HH OO	GEL
Dibenz(a,h)anthracene	0.3–0.417	SW-846:8270D	0.0343, 0.18	µg/L	NMED A1 TAP SCRN LVL, NM HH OO	GEL

Table 4.4-2 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Dichlorobenzidine[3,3'-]	3.13–4.17	SW-846:8270D	0.28, 1.25	µg/L	NM HH OO, NMED A1 TAP SCRN LVL	GEL
Dinitro-2-methylphenol[4,6-]	3–4.17	SW-846:8270D	1.52	µg/L	NMED A1 TAP SCRN LVL	GEL
Dinitrotoluene[2,4-]	3–4.17	SW-846:8270D	2.37	µg/L	NMED A1 TAP SCRN LVL	GEL
Dinitrotoluene[2,6-]	3–4.17	SW-846:8270D	0.485	µg/L	NMED A1 TAP SCRN LVL	GEL
Hexachlorobenzene	3.13–4.17	SW-846:8270D	0.0029, 1	µg/L	NM HH OO, EPA MCL	GEL
Hexachlorobutadiene	3–4.17	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRN LVL	GEL
Hexachloroethane	3–4.17	SW-846:8270D	3.28	µg/L	NMED A1 TAP SCRN LVL	GEL
Indeno(1,2,3-cd)pyrene	0.313–0.417	SW-846:8270D	0.18, 0.343	µg/L	NM HH OO, NMED A1 TAP SCRN LVL	GEL
Nitrobenzene	3–4.17	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRN LVL	GEL
Nitroso-di-n-butylamine[N-]	3–4.17	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRN LVL	GEL
Nitroso-di-n-propylamine[N-]	3–4.17	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GEL
Nitrosodiethylamine[N-]	3–4.17	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRN LVL	GEL
Nitrosodimethylamine[N-]	3–4.17	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRN LVL	GEL
Nitrosopyrrolidine[N-]	3–4.17	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRN LVL	GEL
Pentachlorobenzene	3–4.17	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRN LVL	GEL
Pentachlorophenol	3–4.17	SW-846:8270D	1	µg/L	EPA MCL	GEL
Tetrachlorobenzene[1,2,4,5]	3–4.17	SW-846:8270D	1.66	µg/L	NMED A1 TAP SCRN LVL	GEL
Volatile Organic Compounds						
Acrolein	1.5	SW-846:8260B	0.0415	µg/L	NMED A1 TAP SCRN LVL	GEL
Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRN LVL	GEL
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRN LVL	GEL
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA MCL	GEL
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	EPA MCL	GEL

Table 4.4-2 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Dibromomethane	0.3	SW-846:8260B	0.0747	µg/L	NMED A1 TAP SCRN LVL	GEL
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRN LVL	GEL
Dioxins and Furans						
Tetrachlorodibenzodioxin[2,3,7,8-]	3.65E-06	SW-846:8290A	5.10E-08	µg/L	NM HH OO	CFA[f]
Tetrachlorodibenzofuran[2,3,7,8-]	3.66E-06	SW-846:8290A	1.84E-06	µg/L	NMED A1 TAP SCRN LVL	CFA

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] GEL = GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC.

[c] NM Aquatic Chronic = New Mexico chronic aquatic life water quality standard.

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

[e] NMED A1 TAP SCRN LVL = New Mexico Environment Department screening level for tap water.

[f] CFA = Cape Fear Analytical, LLC, Wilmington, NC, Division of the GEL Group, Inc., Charleston, SC.

Table 5.2-1
Base-Flow Location Type and Hardness Assignments Used to Select Screening Values

Watershed	Location	Stream Type	Hardness (mg/L as $CaCO_3$)
White Rock	Rio Grande at Otowi Bridge	Perennial	100
Sandia	Sandia below Wetlands	Perennial	100
Sandia	Sandia right fork at Power Plant	Perennial	100
Pajarito	Two Mile Canyon below TA-59	Ephemeral	50

Table 5.2-2
General Surveillance Monitoring Group Results above Screening Values

Location	Watershed	Sampling Event		Sample Collection Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening Value Source
		MY	Quarter							
Base Flow										
Rio Grande at Otowi Bridge	White Rock Canyon/ Rio Grande	2018	1	10/04/17	Aluminum	UF[a]	9660	µg/L	1370	NMWQCC Aquatic Life Standards Chronic[b]
Springs										
Lower Sandia Spring	White Rock Canyon/ Rio Grande	2018	1	10/03/17	Manganese	F[c]	340	µg/L	200	NMWQCC GW STD[d]
Sacred Spring	White Rock Canyon/ Rio Grande	2018	1	10/03/17	Manganese	F	302	µg/L	200	NMWQCC GW STD
Spring 3AA	White Rock Canyon/ Rio Grande	2018	1	10/10/17	Cyanide (Total)	UF	0.228	mg/L	0.2	EPA MCL
Alluvial										
18-MW-18	Pajarito	2018	3	04/11/18	Chloride	F	399	mg/L	250	NMWQCC GW STD
18-MW-18	Pajarito	2018	3	04/11/18	TDS	F	1010	mg/L	1000	NMWQCC GW STD
Intermediate										
03-B-13	Pajarito	2018	1	11/01/17	Dioxane[1,4-]	UF	47	µg/L	4.59	NMED A1 TAP SCRN LVL[e]
03-B-13	Pajarito	2018	3	04/10/18	Dioxane[1,4-]	UF	45	µg/L	4.59	NMED A1 TAP SCRN LVL
03-B-13	Pajarito	2018	3	04/10/18	Trichloroethane[1,1,1-]	UF	71	µg/L	60	NMWQCC GW STD

[a] UF = Unfiltered.

[b] NMWQCC Aquatic Life Standards Chronic = New Mexico Water Quality Control Commission aquatic life standards for chronic exposure based on 100 mg/L total hardness.

[c] F = Filtered.

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

[e] NMED A1 TAP SCRN LVL = New Mexico Environment Department screening level for tap water.

Appendix A

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

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
03-B-13	21.5	04/10/2018	WG[a]	Dissolved Oxygen	1.2	mg/L	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	Dissolved Oxygen	1.32	mg/L	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	Dissolved Oxygen	0.83	mg/L	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	Dissolved Oxygen	0.62	mg/L	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	Dissolved Oxygen	4.14	mg/L	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	Dissolved Oxygen	0.28	mg/L	CAPA-16-105569
03-B-13	21.5	04/10/2018	WG	Flow (in gpm[b])	0.079	gpm	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	Flow (in gpm)	0.053	gpm	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	Flow (in gpm)	0.053	gpm	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	Flow (in gpm)	0.04	gpm	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	Flow (in gpm)	0.04	gpm	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	Flow (in gpm)	0.05	gpm	CAPA-16-105569
03-B-13	21.5	04/10/2018	WG	Groundwater Elevation	22.9	ft	CAPA-18-152858
03-B-13	21.5	04/10/2018	WG	Oxidation-Reduction Potential	170.3	mV	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	Oxidation-Reduction Potential	243.5	mV	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	Oxidation-Reduction Potential	187.6	mV	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	Oxidation-Reduction Potential	216.9	mV	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	Oxidation-Reduction Potential	263.9	mV	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	Oxidation-Reduction Potential	145.9	mV	CAPA-16-105569
03-B-13	21.5	04/10/2018	WG	Period Purge Volume	0.395	gal.	CAPA-18-152858
03-B-13	21.5	04/10/2018	WG	pH	6.14	SU[c]	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	pH	6.31	SU	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	pH	5.66	SU	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	pH	5.91	SU	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	pH	6.22	SU	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	pH	5.64	SU	CAPA-16-105569
03-B-13	21.5	04/10/2018	WG	Purge Volume	4.394	gal.	CAPA-18-152858
03-B-13	21.5	09/18/2008	WG	Purge Volume	5.25	gal.	CAPA-08-15026
03-B-13	21.5	12/18/2007	WG	Purge Volume	1	gal.	CAPA-08-9316

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
03-B-13	21.5	09/14/2007	WG	Purge Volume	11	gal.	FU07090G3B1301
03-B-13	21.5	07/10/2007	WG	Purge Volume	5.5	gal.	FU07060G3B1301
03-B-13	21.5	04/10/2018	WG	Specific Conductance	602	µS/cm	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	Specific Conductance	585	µS/cm	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	Specific Conductance	924	µS/cm	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	Specific Conductance	471.2	µS/cm	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	Specific Conductance	965	µS/cm	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	Specific Conductance	466	µS/cm	CAPA-16-105569
03-B-13	21.5	04/10/2018	WG	Temperature	14.2	deg C	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	Temperature	14.7	deg C	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	Temperature	13.7	deg C	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	Temperature	14.3	deg C	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	Temperature	14.94	deg C	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	Temperature	14.06	deg C	CAPA-16-105569
03-B-13	21.5	04/10/2018	WG	Total Volume Pumped	4.424	gal.	CAPA-18-152858
03-B-13	21.5	04/10/2018	WG	Turbidity	2.8	NTU[d]	CAPA-18-152858
03-B-13	21.5	11/01/2017	WG	Turbidity	2.2	NTU	CAPA-18-147689
03-B-13	21.5	04/12/2017	WG	Turbidity	5.1	NTU	CAPA-17-130551
03-B-13	21.5	11/01/2016	WG	Turbidity	7	NTU	CAPA-16-126627
03-B-13	21.5	04/04/2016	WG	Turbidity	1.8	NTU	CAPA-16-114704
03-B-13	21.5	10/19/2015	WG	Turbidity	15.2	NTU	CAPA-16-105569
18-MW-18	12.5	04/11/2018	WG	Dissolved Oxygen	5.69	mg/L	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	Dissolved Oxygen	7.79	mg/L	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	Dissolved Oxygen	7.59	mg/L	CAPA-16-114705
18-MW-18	12.5	04/21/2015	WG	Dissolved Oxygen	7.72	mg/L	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	Dissolved Oxygen	7.77	mg/L	CAPA-14-56384
18-MW-18	12.5	04/11/2018	WG	Flow (in gpm)	0.04	gpm	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	Flow (in gpm)	0.26	gpm	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	Flow (in gpm)	0.21	gpm	CAPA-16-114705

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
18-MW-18	12.5	04/21/2015	WG	Flow (in gpm)	0.26	gpm	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	Flow (in gpm)	0.24	gpm	CAPA-14-56384
18-MW-18	12.5	04/11/2018	WG	Groundwater Elevation	19.5	ft	CAPA-18-152854
18-MW-18	12.5	04/11/2018	WG	Oxidation-Reduction Potential	243.5	mV	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	Oxidation-Reduction Potential	205.3	mV	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	Oxidation-Reduction Potential	192.2	mV	CAPA-16-114705
18-MW-18	12.5	04/21/2015	WG	Oxidation-Reduction Potential	145.9	mV	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	Oxidation-Reduction Potential	152.4	mV	CAPA-14-56384
18-MW-18	12.5	04/11/2018	WG	Period Purge Volume	0.12	gal.	CAPA-18-152854
18-MW-18	12.5	04/11/2018	WG	pH	6.48	SU	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	pH	6.82	SU	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	pH	6.31	SU	CAPA-16-114705
18-MW-18	12.5	04/21/2015	WG	pH	6.6	SU	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	pH	6.51	SU	CAPA-14-56384
18-MW-18	12.5	04/11/2018	WG	Purge Volume	2.35	gal.	CAPA-18-152854
18-MW-18	12.5	09/12/2008	WG	Purge Volume	5.6	gal.	CAPA-08-14955
18-MW-18	12.5	09/12/2007	WG	Purge Volume	1.5	gal.	FU07090G181801
18-MW-18	12.5	06/26/2007	WG	Purge Volume	3.75	gal.	FU07060G181801
18-MW-18	12.5	04/11/2018	WG	Specific Conductance	1613	µS/cm	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	Specific Conductance	2321	µS/cm	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	Specific Conductance	1218	µS/cm	CAPA-16-114705
18-MW-18	12.5	04/21/2015	WG	Specific Conductance	1345	µS/cm	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	Specific Conductance	1190	µS/cm	CAPA-14-56384
18-MW-18	12.5	04/11/2018	WG	Temperature	15	deg C	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	Temperature	12.7	deg C	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	Temperature	11.69	deg C	CAPA-16-114705
18-MW-18	12.5	04/21/2015	WG	Temperature	12.52	deg C	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	Temperature	12.41	deg C	CAPA-14-56384
18-MW-18	12.5	04/11/2018	WG	Total Volume Pumped	2.37	gal.	CAPA-18-152854

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
18-MW-18	12.5	04/11/2018	WG	Turbidity	4.7	NTU	CAPA-18-152854
18-MW-18	12.5	04/06/2017	WG	Turbidity	17.1	NTU	CAPA-17-130552
18-MW-18	12.5	04/08/2016	WG	Turbidity	1.8	NTU	CAPA-16-114705
18-MW-18	12.5	04/21/2015	WG	Turbidity	2.2	NTU	CAPA-15-93433
18-MW-18	12.5	04/18/2014	WG	Turbidity	42.8	NTU	CAPA-14-56384
Ancho Spring	—[e]	10/11/2017	WG	Dissolved Oxygen	6.94	mg/L	CAWR-18-147407
Ancho Spring	—	10/12/2016	WG	Dissolved Oxygen	6.89	mg/L	CAWR-16-126316
Ancho Spring	—	10/05/2015	WG	Dissolved Oxygen	5.05	mg/L	CAWR-16-104418
Ancho Spring	—	09/30/2014	WG	Dissolved Oxygen	7.16	mg/L	CAWR-14-86891
Ancho Spring	—	09/30/2014	WG	Dissolved Oxygen	1.39	mg/L	CAWR-14-86933
Ancho Spring	—	12/10/2013	WG	Dissolved Oxygen	7.22	mg/L	CAWR-13-42144
Ancho Spring	—	10/11/2017	WG	Flow (in gpm)	0.34	gpm	CAWR-18-147407
Ancho Spring	—	10/12/2016	WG	Flow (in gpm)	0.79	gpm	CAWR-16-126316
Ancho Spring	—	10/05/2015	WG	Flow (in gpm)	1.9	gpm	CAWR-16-104418
Ancho Spring	—	09/30/2014	WG	Flow (in gpm)	4.5	gpm	CAWR-14-86891
Ancho Spring	—	09/30/2014	WG	Flow (in gpm)	4.5	gpm	CAWR-14-86933
Ancho Spring	—	10/07/2011	WG	Flow (in gpm)	2.03	gpm	CAWR-11-28027
Ancho Spring	—	10/11/2017	WG	pH	8.24	SU	CAWR-18-147407
Ancho Spring	—	10/12/2016	WG	pH	7.85	SU	CAWR-16-126316
Ancho Spring	—	10/05/2015	WG	pH	7.25	SU	CAWR-16-104418
Ancho Spring	—	09/30/2014	WG	pH	8.39	SU	CAWR-14-86891
Ancho Spring	—	09/30/2014	WG	pH	8.39	SU	CAWR-14-86933
Ancho Spring	—	12/10/2013	WG	pH	8.03	SU	CAWR-13-42144
Ancho Spring	—	10/11/2017	WG	Specific Conductance	131.7	µS/cm	CAWR-18-147407
Ancho Spring	—	10/12/2016	WG	Specific Conductance	132.6	µS/cm	CAWR-16-126316
Ancho Spring	—	10/05/2015	WG	Specific Conductance	142	µS/cm	CAWR-16-104418
Ancho Spring	—	09/30/2014	WG	Specific Conductance	139	µS/cm	CAWR-14-86891
Ancho Spring	—	09/30/2014	WG	Specific Conductance	139	µS/cm	CAWR-14-86933
Ancho Spring	—	12/10/2013	WG	Specific Conductance	133	µS/cm	CAWR-13-42144

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Ancho Spring	—	10/11/2017	WG	Temperature	19.6	deg C	CAWR-18-147407
Ancho Spring	—	10/12/2016	WG	Temperature	21	deg C	CAWR-16-126316
Ancho Spring	—	10/05/2015	WG	Temperature	21.14	deg C	CAWR-16-104418
Ancho Spring	—	09/30/2014	WG	Temperature	21.26	deg C	CAWR-14-86891
Ancho Spring	—	09/30/2014	WG	Temperature	21.26	deg C	CAWR-14-86933
Ancho Spring	—	12/10/2013	WG	Temperature	19.42	deg C	CAWR-13-42144
Ancho Spring	—	10/11/2017	WG	Turbidity	0.8	NTU	CAWR-18-147407
Ancho Spring	—	10/12/2016	WG	Turbidity	0.1	NTU	CAWR-16-126316
Ancho Spring	—	10/05/2015	WG	Turbidity	14.4	NTU	CAWR-16-104418
Ancho Spring	—	09/30/2014	WG	Turbidity	2.5	NTU	CAWR-14-86891
Ancho Spring	—	09/30/2014	WG	Turbidity	2.5	NTU	CAWR-14-86933
Ancho Spring	—	12/10/2013	WG	Turbidity	2	NTU	CAWR-13-42144
Homestead Spring	—	04/18/2018	WG	Dissolved Oxygen	8.06	mg/L	CAPA-18-152850
Homestead Spring	—	08/10/2010	WG	Dissolved Oxygen	7.14	mg/L	CAPA-10-24012
Homestead Spring	—	09/16/2009	WG	Dissolved Oxygen	10.6	mg/L	CAPA-09-12094
Homestead Spring	—	03/05/2009	WG	Dissolved Oxygen	7.48	mg/L	CAPA-09-4073
Homestead Spring	—	12/04/2008	WG	Dissolved Oxygen	5.97	mg/L	CAPA-09-1105
Homestead Spring	—	04/18/2018	WG	Flow (in gpm)	3.17	gpm	CAPA-18-152850
Homestead Spring	—	08/10/2010	WG	Flow (in gpm)	0.5	gpm	CAPA-10-24012
Homestead Spring	—	03/05/2009	WG	Flow (in gpm)	2	gpm	CAPA-09-4073
Homestead Spring	—	12/04/2008	WG	Flow (in gpm)	5	gpm	CAPA-09-1105
Homestead Spring	—	09/11/2008	WG	Flow (in gpm)	0.25	gpm	CAPA-08-14909
Homestead Spring	—	04/18/2018	WG	pH	6.53	SU	CAPA-18-152850
Homestead Spring	—	08/10/2010	WG	pH	6.44	SU	CAPA-10-24012
Homestead Spring	—	09/16/2009	WG	pH	7.29	SU	CAPA-09-12094
Homestead Spring	—	03/05/2009	WG	pH	6.41	SU	CAPA-09-4073
Homestead Spring	—	12/04/2008	WG	pH	6.51	SU	CAPA-09-1105
Homestead Spring	—	04/18/2018	WG	Specific Conductance	111.2	µS/cm	CAPA-18-152850
Homestead Spring	—	08/10/2010	WG	Specific Conductance	189	µS/cm	CAPA-10-24012

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Homestead Spring	—	09/16/2009	WG	Specific Conductance	113	µS/cm	CAPA-09-12094
Homestead Spring	—	03/05/2009	WG	Specific Conductance	120	µS/cm	CAPA-09-4073
Homestead Spring	—	12/04/2008	WG	Specific Conductance	129	µS/cm	CAPA-09-1105
Homestead Spring	—	04/18/2018	WG	Temperature	10.3	deg C	CAPA-18-152850
Homestead Spring	—	08/10/2010	WG	Temperature	9.63	deg C	CAPA-10-24012
Homestead Spring	—	09/16/2009	WG	Temperature	11.03	deg C	CAPA-09-12094
Homestead Spring	—	03/05/2009	WG	Temperature	10.3	deg C	CAPA-09-4073
Homestead Spring	—	12/04/2008	WG	Temperature	8.62	deg C	CAPA-09-1105
Homestead Spring	—	04/18/2018	WG	Turbidity	2.9	NTU	CAPA-18-152850
Homestead Spring	—	08/10/2010	WG	Turbidity	31.9	NTU	CAPA-10-24012
Homestead Spring	—	09/16/2009	WG	Turbidity	10.5	NTU	CAPA-09-12094
Homestead Spring	—	03/05/2009	WG	Turbidity	321	NTU	CAPA-09-4073
Homestead Spring	—	12/04/2008	WG	Turbidity	7.73	NTU	CAPA-09-1105
La Mesita Spring	—	10/04/2017	WG	Dissolved Oxygen	7.62	mg/L	CAWR-18-147697
La Mesita Spring	—	10/19/2016	WG	Dissolved Oxygen	8.16	mg/L	CAWR-16-126318
La Mesita Spring	—	10/14/2015	WG	Dissolved Oxygen	7.19	mg/L	CAWR-16-104419
La Mesita Spring	—	10/29/2014	WG	Dissolved Oxygen	8.34	mg/L	CAWR-14-89228
La Mesita Spring	—	10/06/2014	WG	Dissolved Oxygen	8.13	mg/L	CAWR-14-86935
La Mesita Spring	—	10/04/2017	WG	Flow (in gpm)	0.94	gpm	CAWR-18-147697
La Mesita Spring	—	10/19/2016	WG	Flow (in gpm)	0.41	gpm	CAWR-16-126318
La Mesita Spring	—	10/14/2015	WG	Flow (in gpm)	0.13	gpm	CAWR-16-104419
La Mesita Spring	—	10/29/2014	WG	Flow (in gpm)	0.17	gpm	CAWR-14-89228
La Mesita Spring	—	10/06/2014	WG	Flow (in gpm)	0.4	gpm	CAWR-14-86935
La Mesita Spring	—	10/04/2017	WG	pH	7.78	SU	CAWR-18-147697
La Mesita Spring	—	10/19/2016	WG	pH	8	SU	CAWR-16-126318
La Mesita Spring	—	10/14/2015	WG	pH	7.58	SU	CAWR-16-104419
La Mesita Spring	—	10/29/2014	WG	pH	7.69	SU	CAWR-14-89228
La Mesita Spring	—	10/06/2014	WG	pH	7.89	SU	CAWR-14-86935
La Mesita Spring	—	10/04/2017	WG	Specific Conductance	334.3	µS/cm	CAWR-18-147697

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
La Mesita Spring	—	10/19/2016	WG	Specific Conductance	313.6	µS/cm	CAWR-16-126318
La Mesita Spring	—	10/14/2015	WG	Specific Conductance	322	µS/cm	CAWR-16-104419
La Mesita Spring	—	10/29/2014	WG	Specific Conductance	318	µS/cm	CAWR-14-89228
La Mesita Spring	—	10/06/2014	WG	Specific Conductance	316	µS/cm	CAWR-14-86935
La Mesita Spring	—	10/04/2017	WG	Temperature	16.5	deg C	CAWR-18-147697
La Mesita Spring	—	10/19/2016	WG	Temperature	14.9	deg C	CAWR-16-126318
La Mesita Spring	—	10/14/2015	WG	Temperature	14.05	deg C	CAWR-16-104419
La Mesita Spring	—	10/29/2014	WG	Temperature	14.99	deg C	CAWR-14-89228
La Mesita Spring	—	10/06/2014	WG	Temperature	14.8	deg C	CAWR-14-86935
La Mesita Spring	—	10/04/2017	WG	Turbidity	14.2	NTU	CAWR-18-147697
La Mesita Spring	—	10/19/2016	WG	Turbidity	1	NTU	CAWR-16-126318
La Mesita Spring	—	10/14/2015	WG	Turbidity	5.5	NTU	CAWR-16-104419
La Mesita Spring	—	10/29/2014	WG	Turbidity	7.2	NTU	CAWR-14-89228
La Mesita Spring	—	10/06/2014	WG	Turbidity	5.1	NTU	CAWR-14-86935
LAO-3a	4.7	06/18/2018	WG	Dissolved Oxygen	7.63	mg/L	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	Dissolved Oxygen	6.97	mg/L	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	Dissolved Oxygen	4.89	mg/L	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	Dissolved Oxygen	7.23	mg/L	CALA-15-97424
LAO-3a	4.7	06/06/2014	WG	Dissolved Oxygen	7.7	mg/L	CALA-14-79456
LAO-3a	4.7	06/18/2018	WG	Flow (in gpm)	0.15	gpm	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	Flow (in gpm)	0.12	gpm	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	Flow (in gpm)	0.135	gpm	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	Flow (in gpm)	0.13	gpm	CALA-15-97424
LAO-3a	4.7	06/06/2014	WG	Flow (in gpm)	0.13	gpm	CALA-14-79456
LAO-3a	4.7	06/18/2018	WG	Groundwater Elevation	9.6	ft	CALA-18-68
LAO-3a	4.7	06/18/2018	WG	Oxidation-Reduction Potential	204.7	mV	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	Oxidation-Reduction Potential	224.2	mV	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	Oxidation-Reduction Potential	182.8	mV	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	Oxidation-Reduction Potential	165.9	mV	CALA-15-97424

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
LAO-3a	4.7	06/06/2014	WG	Oxidation-Reduction Potential	106.2	mV	CALA-14-79456
LAO-3a	4.7	06/18/2018	WG	Period Purge Volume	0.45	gal.	CALA-18-68
LAO-3a	4.7	06/18/2018	WG	pH	6.73	SU	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	pH	6.55	SU	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	pH	6.33	SU	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	pH	6.79	SU	CALA-15-97424
LAO-3a	4.7	06/06/2014	WG	pH	6.93	SU	CALA-14-79456
LAO-3a	4.7	06/18/2018	WG	Purge Volume	1.48	gal.	CALA-18-68
LAO-3a	4.7	09/02/2008	WG	Purge Volume	4.25	gal.	CALA-08-13860
LAO-3a	4.7	01/09/2008	WG	Purge Volume	1	gal.	CALA-08-9741
LAO-3a	4.7	07/19/2007	WG	Purge Volume	4.2	gal.	FU070700GA3L01
LAO-3a	4.7	06/18/2018	WG	Specific Conductance	344.3	µS/cm	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	Specific Conductance	446.5	µS/cm	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	Specific Conductance	492	µS/cm	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	Specific Conductance	383	µS/cm	CALA-15-97424
LAO-3a	4.7	06/06/2014	WG	Specific Conductance	384	µS/cm	CALA-14-79456
LAO-3a	4.7	06/18/2018	WG	Temperature	10.8	deg C	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	Temperature	11.7	deg C	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	Temperature	11.2	deg C	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	Temperature	10.73	deg C	CALA-15-97424
LAO-3a	4.7	06/06/2014	WG	Temperature	10.43	deg C	CALA-14-79456
LAO-3a	4.7	06/18/2018	WG	Total Volume Pumped	1.5	gal.	CALA-18-68
LAO-3a	4.7	06/18/2018	WG	Turbidity	0.9	NTU	CALA-18-68
LAO-3a	4.7	06/22/2017	WG	Turbidity	1.7	NTU	CALA-17-138993
LAO-3a	4.7	06/07/2016	WG	Turbidity	1.3	NTU	CALA-16-116841
LAO-3a	4.7	06/08/2015	WG	Turbidity	4.1	NTU	CALA-15-97424
LAO-3a	4.7	06/06/2014	WG	Turbidity	2.4	NTU	CALA-14-79456
LLAO-4	—	06/19/2018	WG	Dissolved Oxygen	3.72	mg/L	CALA-18-65
LLAO-4	—	12/13/2017	WG	Dissolved Oxygen	3.91	mg/L	CALA-18-148963

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
LLAO-4	—	06/21/2017	WG	Dissolved Oxygen	3.9	mg/L	CALA-17-138995
LLAO-4	—	06/16/2016	WG	Dissolved Oxygen	3.66	mg/L	CALA-16-116843
LLAO-4	—	05/28/2015	WG	Dissolved Oxygen	3.57	mg/L	CALA-15-97426
LLAO-4	—	06/17/2014	WG	Dissolved Oxygen	1.34	mg/L	CALA-14-79458
LLAO-4	—	06/19/2018	WG	Flow (in gpm)	0.25	gpm	CALA-18-65
LLAO-4	—	12/13/2017	WG	Flow (in gpm)	0.25	gpm	CALA-18-148963
LLAO-4	—	06/21/2017	WG	Flow (in gpm)	0.25	gpm	CALA-17-138995
LLAO-4	—	06/16/2016	WG	Flow (in gpm)	0.22	gpm	CALA-16-116843
LLAO-4	—	05/28/2015	WG	Flow (in gpm)	0.22	gpm	CALA-15-97426
LLAO-4	—	06/17/2014	WG	Flow (in gpm)	0.24	gpm	CALA-14-79458
LLAO-4	—	06/19/2018	WG	Groundwater Elevation	9.68	ft	CALA-18-65
LLAO-4	—	12/13/2017	WG	Groundwater Elevation	8.32	ft	CALA-18-148963
LLAO-4	—	06/19/2018	WG	Oxidation-Reduction Potential	186.4	mV	CALA-18-65
LLAO-4	—	12/13/2017	WG	Oxidation-Reduction Potential	197	mV	CALA-18-148963
LLAO-4	—	06/21/2017	WG	Oxidation-Reduction Potential	131.2	mV	CALA-17-138995
LLAO-4	—	06/16/2016	WG	Oxidation-Reduction Potential	166.5	mV	CALA-16-116843
LLAO-4	—	05/28/2015	WG	Oxidation-Reduction Potential	126.1	mV	CALA-15-97426
LLAO-4	—	06/17/2014	WG	Oxidation-Reduction Potential	70	mV	CALA-14-79458
LLAO-4	—	06/19/2018	WG	Period Purge Volume	0.75	gal.	CALA-18-65
LLAO-4	—	12/13/2017	WG	Period Purge Volume	0.75	gal.	CALA-18-148963
LLAO-4	—	06/19/2018	WG	pH	6.79	SU	CALA-18-65
LLAO-4	—	12/13/2017	WG	pH	6.86	SU	CALA-18-148963
LLAO-4	—	06/21/2017	WG	pH	6.6	SU	CALA-17-138995
LLAO-4	—	06/16/2016	WG	pH	6.5	SU	CALA-16-116843
LLAO-4	—	05/28/2015	WG	pH	6.9	SU	CALA-15-97426
LLAO-4	—	06/17/2014	WG	pH	6.67	SU	CALA-14-79458
LLAO-4	—	06/19/2018	WG	Purge Volume	6.98	gal.	CALA-18-65
LLAO-4	—	12/13/2017	WG	Purge Volume	7.73	gal.	CALA-18-148963
LLAO-4	—	01/25/2008	WG	Purge Volume	1	gal.	CALA-08-9759

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
LLAO-4	—	07/23/2007	WG	Purge Volume	11	gal.	FU070700G4LL01
LLAO-4	—	06/19/2018	WG	Specific Conductance	431.4	µS/cm	CALA-18-65
LLAO-4	—	12/13/2017	WG	Specific Conductance	443.3	µS/cm	CALA-18-148963
LLAO-4	—	06/21/2017	WG	Specific Conductance	428.8	µS/cm	CALA-17-138995
LLAO-4	—	06/16/2016	WG	Specific Conductance	454	µS/cm	CALA-16-116843
LLAO-4	—	05/28/2015	WG	Specific Conductance	462	µS/cm	CALA-15-97426
LLAO-4	—	06/17/2014	WG	Specific Conductance	572	µS/cm	CALA-14-79458
LLAO-4	—	06/19/2018	WG	Temperature	13.8	deg C	CALA-18-65
LLAO-4	—	12/13/2017	WG	Temperature	14.6	deg C	CALA-18-148963
LLAO-4	—	06/21/2017	WG	Temperature	14	deg C	CALA-17-138995
LLAO-4	—	06/16/2016	WG	Temperature	13.43	deg C	CALA-16-116843
LLAO-4	—	05/28/2015	WG	Temperature	13.17	deg C	CALA-15-97426
LLAO-4	—	06/17/2014	WG	Temperature	13.76	deg C	CALA-14-79458
LLAO-4	—	06/19/2018	WG	Total Volume Pumped	7	gal.	CALA-18-65
LLAO-4	—	12/13/2017	WG	Total Volume Pumped	7.75	gal.	CALA-18-148963
LLAO-4	—	06/19/2018	WG	Turbidity	0.38	NTU	CALA-18-65
LLAO-4	—	12/13/2017	WG	Turbidity	0.4	NTU	CALA-18-148963
LLAO-4	—	06/21/2017	WG	Turbidity	0.19	NTU	CALA-17-138995
LLAO-4	—	06/16/2016	WG	Turbidity	0.46	NTU	CALA-16-116843
LLAO-4	—	05/28/2015	WG	Turbidity	0.23	NTU	CALA-15-97426
LLAO-4	—	06/17/2014	WG	Turbidity	0.3	NTU	CALA-14-79458
Lower Sandia Spring	0.0	10/03/2017	WG	Dissolved Oxygen	7.74	mg/L	CAWR-18-147345
Lower Sandia Spring	0.0	10/03/2017	WG	Flow (in gpm)	0.15	gpm	CAWR-18-147345
Lower Sandia Spring	0.0	10/03/2017	WG	pH	7.93	SU	CAWR-18-147345
Lower Sandia Spring	0.0	10/03/2017	WG	Specific Conductance	207.1	µS/cm	CAWR-18-147345
Lower Sandia Spring	0.0	10/03/2017	WG	Temperature	14.5	deg C	CAWR-18-147345
Lower Sandia Spring	0.0	10/03/2017	WG	Turbidity	45.2	NTU	CAWR-18-147345
MCO-7	—	08/07/2017	WG	Dissolved Oxygen	7.71	mg/L	CAMO-17-142060
MCO-7	—	05/11/2017	WG	Dissolved Oxygen	7.44	mg/L	CAMO-17-132464

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
MCO-7	—	02/14/2017	WG	Dissolved Oxygen	7.66	mg/L	CAMO-17-129355
MCO-7	—	11/10/2016	WG	Dissolved Oxygen	7.53	mg/L	CAMO-17-127332
MCO-7	—	07/28/2016	WG	Dissolved Oxygen	7.34	mg/L	CAMO-16-124259
MCO-7	—	08/07/2017	WG	Flow (in gpm)	0.19	gpm	CAMO-17-142060
MCO-7	—	05/11/2017	WG	Flow (in gpm)	0.11	gpm	CAMO-17-132464
MCO-7	—	02/14/2017	WG	Flow (in gpm)	0.05	gpm	CAMO-17-129355
MCO-7	—	11/10/2016	WG	Flow (in gpm)	0.07	gpm	CAMO-17-127332
MCO-7	—	07/28/2016	WG	Flow (in gpm)	0.08	gpm	CAMO-16-124259
MCO-7	—	08/07/2017	WG	Oxidation-Reduction Potential	244.3	mV	CAMO-17-142060
MCO-7	—	05/11/2017	WG	Oxidation-Reduction Potential	271.7	mV	CAMO-17-132464
MCO-7	—	02/14/2017	WG	Oxidation-Reduction Potential	302.6	mV	CAMO-17-129355
MCO-7	—	11/10/2016	WG	Oxidation-Reduction Potential	255.3	mV	CAMO-17-127332
MCO-7	—	07/28/2016	WG	Oxidation-Reduction Potential	291.3	mV	CAMO-16-124259
MCO-7	—	08/07/2017	WG	pH	6.58	SU	CAMO-17-142060
MCO-7	—	05/11/2017	WG	pH	6.35	SU	CAMO-17-132464
MCO-7	—	02/14/2017	WG	pH	7.66	SU	CAMO-17-129355
MCO-7	—	11/10/2016	WG	pH	6.75	SU	CAMO-17-127332
MCO-7	—	07/28/2016	WG	pH	6.86	SU	CAMO-16-124259
MCO-7	—	08/07/2017	WG	Specific Conductance	523	µS/cm	CAMO-17-142060
MCO-7	—	05/11/2017	WG	Specific Conductance	515	µS/cm	CAMO-17-132464
MCO-7	—	02/14/2017	WG	Specific Conductance	514	µS/cm	CAMO-17-129355
MCO-7	—	11/10/2016	WG	Specific Conductance	502	µS/cm	CAMO-17-127332
MCO-7	—	07/28/2016	WG	Specific Conductance	549.8	µS/cm	CAMO-16-124259
MCO-7	—	08/07/2017	WG	Temperature	10.9	deg C	CAMO-17-142060
MCO-7	—	05/11/2017	WG	Temperature	10.8	deg C	CAMO-17-132464
MCO-7	—	02/14/2017	WG	Temperature	9.9	deg C	CAMO-17-129355
MCO-7	—	11/10/2016	WG	Temperature	10.8	deg C	CAMO-17-127332
MCO-7	—	07/28/2016	WG	Temperature	11.51	deg C	CAMO-16-124259
MCO-7	—	08/07/2017	WG	Turbidity	6.37	NTU	CAMO-17-142060

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
MCO-7	—	05/11/2017	WG	Turbidity	3.27	NTU	CAMO-17-132464
MCO-7	—	02/14/2017	WG	Turbidity	2.19	NTU	CAMO-17-129355
MCO-7	—	11/10/2016	WG	Turbidity	1.75	NTU	CAMO-17-127332
MCO-7	—	07/28/2016	WG	Turbidity	1.14	NTU	CAMO-16-124259
Mortandad at Rio Grande	—	10/10/2017	WS[f]	Dissolved Oxygen	9.54	mg/L	CAWR-18-147310
Mortandad at Rio Grande	—	10/03/2011	WS	Dissolved Oxygen	8.9	mg/L	CAWR-11-27986
Mortandad at Rio Grande	—	09/27/2010	WS	Dissolved Oxygen	7.16	mg/L	CAWR-10-25462
Mortandad at Rio Grande	—	09/30/2009	WS	Dissolved Oxygen	5.78	mg/L	CAWR-09-12592
Mortandad at Rio Grande	—	10/10/2017	WS	Flow (in gpm)	130.16	gpm	CAWR-18-147310
Mortandad at Rio Grande	—	10/03/2011	WS	Flow (in gpm)	365	gpm	CAWR-11-27986
Mortandad at Rio Grande	—	09/27/2010	WS	Flow (in gpm)	390	gpm	CAWR-10-25462
Mortandad at Rio Grande	—	10/10/2017	WS	pH	8.12	SU	CAWR-18-147310
Mortandad at Rio Grande	—	10/03/2011	WS	pH	8.44	SU	CAWR-11-27986
Mortandad at Rio Grande	—	09/27/2010	WS	pH	8.15	SU	CAWR-10-25462
Mortandad at Rio Grande	—	09/30/2009	WS	pH	7.21	SU	CAWR-09-12592
Mortandad at Rio Grande	—	10/10/2017	WS	Specific Conductance	444.6	µS/cm	CAWR-18-147310
Mortandad at Rio Grande	—	10/03/2011	WS	Specific Conductance	671	µS/cm	CAWR-11-27986
Mortandad at Rio Grande	—	09/27/2010	WS	Specific Conductance	551	µS/cm	CAWR-10-25462
Mortandad at Rio Grande	—	09/30/2009	WS	Specific Conductance	429	µS/cm	CAWR-09-12592
Mortandad at Rio Grande	—	10/10/2017	WS	Temperature	9	deg C	CAWR-18-147310
Mortandad at Rio Grande	—	10/03/2011	WS	Temperature	12.93	deg C	CAWR-11-27986
Mortandad at Rio Grande	—	09/27/2010	WS	Temperature	17.35	deg C	CAWR-10-25462
Mortandad at Rio Grande	—	09/30/2009	WS	Temperature	10.17	deg C	CAWR-09-12592
Mortandad at Rio Grande	—	10/10/2017	WS	Turbidity	17	NTU	CAWR-18-147310
Mortandad at Rio Grande	—	10/03/2011	WS	Turbidity	30.5	NTU	CAWR-11-27986
Mortandad at Rio Grande	—	09/27/2010	WS	Turbidity	16	NTU	CAWR-10-25462
Mortandad at Rio Grande	—	09/30/2009	WS	Turbidity	6.6	NTU	CAWR-09-12592
PAO-5n	7.43	06/12/2018	WG	Dissolved Oxygen	4.55	mg/L	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	Dissolved Oxygen	3.74	mg/L	CAPU-17-139098

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
PAO-5n	7.43	06/08/2016	WG	Dissolved Oxygen	1.6	mg/L	CAPU-16-116864
PAO-5n	7.43	06/04/2015	WG	Dissolved Oxygen	3.39	mg/L	CAPA-15-97485
PAO-5n	7.43	06/12/2018	WG	Flow (in gpm)	0.06	gpm	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	Flow (in gpm)	0.05	gpm	CAPU-17-139098
PAO-5n	7.43	06/08/2016	WG	Flow (in gpm)	0.14	gpm	CAPU-16-116864
PAO-5n	7.43	06/04/2015	WG	Flow (in gpm)	0.11	gpm	CAPA-15-97485
PAO-5n	7.43	06/12/2018	WG	Groundwater Elevation	16.19	ft	CAPU-18-76
PAO-5n	7.43	06/12/2018	WG	Oxidation-Reduction Potential	302.8	mV	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	Oxidation-Reduction Potential	161.7	mV	CAPU-17-139098
PAO-5n	7.43	06/08/2016	WG	Oxidation-Reduction Potential	179	mV	CAPU-16-116864
PAO-5n	7.43	06/04/2015	WG	Oxidation-Reduction Potential	188.3	mV	CAPA-15-97485
PAO-5n	7.43	06/12/2018	WG	Period Purge Volume	0.3	gal.	CAPU-18-76
PAO-5n	7.43	06/12/2018	WG	pH	6.04	SU	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	pH	6.27	SU	CAPU-17-139098
PAO-5n	7.43	06/08/2016	WG	pH	6.16	SU	CAPU-16-116864
PAO-5n	7.43	06/04/2015	WG	pH	6.2	SU	CAPA-15-97485
PAO-5n	7.43	06/12/2018	WG	Purge Volume	1.9	gal.	CAPU-18-76
PAO-5n	7.43	06/12/2018	WG	Specific Conductance	498.6	µS/cm	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	Specific Conductance	557	µS/cm	CAPU-17-139098
PAO-5n	7.43	06/08/2016	WG	Specific Conductance	525	µS/cm	CAPU-16-116864
PAO-5n	7.43	06/04/2015	WG	Specific Conductance	500	µS/cm	CAPA-15-97485
PAO-5n	7.43	06/12/2018	WG	Temperature	11.8	deg C	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	Temperature	11.3	deg C	CAPU-17-139098
PAO-5n	7.43	06/08/2016	WG	Temperature	9.94	deg C	CAPU-16-116864
PAO-5n	7.43	06/04/2015	WG	Temperature	11.78	deg C	CAPA-15-97485
PAO-5n	7.43	06/12/2018	WG	Total Volume Pumped	1.92	gal.	CAPU-18-76
PAO-5n	7.43	06/12/2018	WG	Turbidity	9.6	NTU	CAPU-18-76
PAO-5n	7.43	06/19/2017	WG	Turbidity	7.4	NTU	CAPU-17-139098
PAO-5n	7.43	06/08/2016	WG	Turbidity	9.2	NTU	CAPU-16-116864

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
PAO-5n	7.43	06/04/2015	WG	Turbidity	8.1	NTU	CAPA-15-97485
PCI-2	512.0	04/17/2018	WG	Dissolved Oxygen	8.03	mg/L	CAPA-18-152860
PCI-2	512.0	11/01/2017	WG	Dissolved Oxygen	8.03	mg/L	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	Dissolved Oxygen	8.14	mg/L	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	Dissolved Oxygen	8.17	mg/L	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	Dissolved Oxygen	8.07	mg/L	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	Dissolved Oxygen	7.95	mg/L	CAPA-16-105570
PCI-2	512.0	04/17/2018	WG	Flow (in gpm)	0.48	gpm	CAPA-18-152860
PCI-2	512.0	11/01/2017	WG	Flow (in gpm)	0.51	gpm	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	Flow (in gpm)	0.49	gpm	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	Flow (in gpm)	0.43	gpm	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	Flow (in gpm)	0.48	gpm	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	Flow (in gpm)	0.44	gpm	CAPA-16-105570
PCI-2	512.0	04/17/2018	WG	Groundwater Elevation	6407.33	ft	CAPA-18-152860
PCI-2	512.0	04/17/2018	WG	Oxidation-Reduction Potential	215.1	mV	CAPA-18-152860
PCI-2	512.0	11/01/2017	WG	Oxidation-Reduction Potential	269.7	mV	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	Oxidation-Reduction Potential	249.5	mV	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	Oxidation-Reduction Potential	210.4	mV	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	Oxidation-Reduction Potential	293.3	mV	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	Oxidation-Reduction Potential	106	mV	CAPA-16-105570
PCI-2	512.0	04/17/2018	WG	Period Purge Volume	2.4	gal.	CAPA-18-152860
PCI-2	512.0	04/17/2018	WG	pH	7.07	SU	CAPA-18-152860
PCI-2	512.0	11/01/2017	WG	pH	7.07	SU	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	pH	7.13	SU	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	pH	7.12	SU	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	pH	6.91	SU	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	pH	6.82	SU	CAPA-16-105570
PCI-2	512.0	04/17/2018	WG	Purge Volume	64.96	gal.	CAPA-18-152860
PCI-2	512.0	04/17/2018	WG	Specific Conductance	107.6	µS/cm	CAPA-18-152860

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
PCI-2	512.0	11/01/2017	WG	Specific Conductance	105.8	µS/cm	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	Specific Conductance	106.9	µS/cm	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	Specific Conductance	107.5	µS/cm	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	Specific Conductance	111	µS/cm	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	Specific Conductance	109	µS/cm	CAPA-16-105570
PCI-2	512.0	04/17/2018	WG	Temperature	13.7	deg C	CAPA-18-152860
PCI-2	512.0	11/01/2017	WG	Temperature	13.4	deg C	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	Temperature	13.5	deg C	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	Temperature	14	deg C	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	Temperature	13.7	deg C	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	Temperature	13.54	deg C	CAPA-16-105570
PCI-2	512.0	04/17/2018	WG	Total Volume Pumped	68.16	gal.	CAPA-18-152860
PCI-2	512.0	04/17/2018	WG	Turbidity	0.21	NTU	CAPA-18-152860
PCI-2	512.0	11/01/2017	WG	Turbidity	0.32	NTU	CAPA-18-147690
PCI-2	512.0	04/10/2017	WG	Turbidity	0.29	NTU	CAPA-17-130554
PCI-2	512.0	10/31/2016	WG	Turbidity	1	NTU	CAPA-16-126628
PCI-2	512.0	04/14/2016	WG	Turbidity	0.47	NTU	CAPA-16-114708
PCI-2	512.0	11/03/2015	WG	Turbidity	0.3	NTU	CAPA-16-105570
R-10a	690.0	05/15/2018	WG	Dissolved Oxygen	5.51	mg/L	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Dissolved Oxygen	5.51	mg/L	CASA-18-147963
R-10a	690.0	08/09/2017	WG	Dissolved Oxygen	5.37	mg/L	CASA-17-142035
R-10a	690.0	05/12/2017	WG	Dissolved Oxygen	5.18	mg/L	CASA-17-132341
R-10a	690.0	11/22/2016	WG	Dissolved Oxygen	5.22	mg/L	CASA-17-127314
R-10a	690.0	08/04/2016	WG	Dissolved Oxygen	5.27	mg/L	CASA-16-124323
R-10a	690.0	05/16/2016	WG	Dissolved Oxygen	4.84	mg/L	CASA-16-115478
R-10a	690.0	05/15/2018	WG	Flow (in gpm)	5.08	gpm	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Flow (in gpm)	6.38	gpm	CASA-18-147963
R-10a	690.0	08/09/2017	WG	Flow (in gpm)	5	gpm	CASA-17-142035
R-10a	690.0	05/12/2017	WG	Flow (in gpm)	5.35	gpm	CASA-17-132341

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-10a	690.0	11/22/2016	WG	Flow (in gpm)	5	gpm	CASA-17-127314
R-10a	690.0	08/04/2016	WG	Flow (in gpm)	5	gpm	CASA-16-124323
R-10a	690.0	05/16/2016	WG	Flow (in gpm)	5.66	gpm	CASA-16-115478
R-10a	690.0	05/15/2018	WG	Groundwater Elevation	5729.52	ft	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Groundwater Elevation	5729.43	ft	CASA-18-147963
R-10a	690.0	05/15/2018	WG	Oxidation-Reduction Potential	267.6	mV	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Oxidation-Reduction Potential	206.3	mV	CASA-18-147963
R-10a	690.0	08/09/2017	WG	Oxidation-Reduction Potential	146.3	mV	CASA-17-142035
R-10a	690.0	05/12/2017	WG	Oxidation-Reduction Potential	131.1	mV	CASA-17-132341
R-10a	690.0	11/22/2016	WG	Oxidation-Reduction Potential	129.1	mV	CASA-17-127314
R-10a	690.0	08/04/2016	WG	Oxidation-Reduction Potential	125	mV	CASA-16-124323
R-10a	690.0	05/16/2016	WG	Oxidation-Reduction Potential	125.9	mV	CASA-16-115478
R-10a	690.0	05/15/2018	WG	Period Purge Volume	25.4	gal.	CASA-18-154778
R-10a	690.0	05/15/2018	WG	pH	7.93	SU	CASA-18-154778
R-10a	690.0	11/16/2017	WG	pH	7.91	SU	CASA-18-147963
R-10a	690.0	08/09/2017	WG	pH	7.69	SU	CASA-17-142035
R-10a	690.0	05/12/2017	WG	pH	8.05	SU	CASA-17-132341
R-10a	690.0	11/22/2016	WG	pH	7.76	SU	CASA-17-127314
R-10a	690.0	08/04/2016	WG	pH	7.92	SU	CASA-16-124323
R-10a	690.0	05/16/2016	WG	pH	7.81	SU	CASA-16-115478
R-10a	690.0	05/15/2018	WG	Purge Volume	204.73	gal.	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Purge Volume	223.3	gal.	CASA-18-147963
R-10a	690.0	11/03/2008	WG	Purge Volume	300	gal.	CASA-09-880
R-10a	690.0	02/19/2008	WG	Purge Volume	5	gal.	CASA-08-10566
R-10a	690.0	11/15/2007	WG	Purge Volume	135	gal.	CASA-08-7427
R-10a	690.0	08/15/2007	WG	Purge Volume	200	gal.	FU07080GR10A01
R-10a	690.0	05/15/2018	WG	Specific Conductance	229.5	µS/cm	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Specific Conductance	226.2	µS/cm	CASA-18-147963
R-10a	690.0	08/09/2017	WG	Specific Conductance	229	µS/cm	CASA-17-142035

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-10a	690.0	05/12/2017	WG	Specific Conductance	229.9	µS/cm	CASA-17-132341
R-10a	690.0	11/22/2016	WG	Specific Conductance	232.8	µS/cm	CASA-17-127314
R-10a	690.0	08/04/2016	WG	Specific Conductance	265.1	µS/cm	CASA-16-124323
R-10a	690.0	05/16/2016	WG	Specific Conductance	232	µS/cm	CASA-16-115478
R-10a	690.0	05/15/2018	WG	Temperature	21.7	deg C	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Temperature	19.1	deg C	CASA-18-147963
R-10a	690.0	08/09/2017	WG	Temperature	21.4	deg C	CASA-17-142035
R-10a	690.0	05/12/2017	WG	Temperature	21.1	deg C	CASA-17-132341
R-10a	690.0	11/22/2016	WG	Temperature	20.9	deg C	CASA-17-127314
R-10a	690.0	08/04/2016	WG	Temperature	21.31	deg C	CASA-16-124323
R-10a	690.0	05/16/2016	WG	Temperature	21.38	deg C	CASA-16-115478
R-10a	690.0	05/15/2018	WG	Total Volume Pumped	233.68	gal.	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Total Volume Pumped	306.24	gal.	CASA-18-147963
R-10a	690.0	05/15/2018	WG	Turbidity	3.11	NTU	CASA-18-154778
R-10a	690.0	11/16/2017	WG	Turbidity	0.48	NTU	CASA-18-147963
R-10a	690.0	08/09/2017	WG	Turbidity	0.09	NTU	CASA-17-142035
R-10a	690.0	05/12/2017	WG	Turbidity	0.22	NTU	CASA-17-132341
R-10a	690.0	11/22/2016	WG	Turbidity	0.66	NTU	CASA-17-127314
R-10a	690.0	08/04/2016	WG	Turbidity	7.92	NTU	CASA-16-124323
R-10a	690.0	05/16/2016	WG	Turbidity	0.41	NTU	CASA-16-115478
R-12 S2	504.5	07/27/2017	WG	Dissolved Oxygen	4.25	mg/L	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	Dissolved Oxygen	4.86	mg/L	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	Dissolved Oxygen	2.7	mg/L	CASA-15-102635
R-12 S2	504.5	07/21/2014	WG	Dissolved Oxygen	4.54	mg/L	CASA-14-84038
R-12 S2	504.5	07/22/2013	WG	Dissolved Oxygen	4.92	mg/L	CASA-13-37011
R-12 S2	504.5	07/27/2017	WG	Flow (in gpm)	10	gpm	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	Flow (in gpm)	11.54	gpm	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	Flow (in gpm)	11.5	gpm	CASA-15-102635
R-12 S2	504.5	07/21/2014	WG	Flow (in gpm)	12	gpm	CASA-14-84038

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-12 S2	504.5	05/26/2011	WG	Flow (in gpm)	10.4	gpm	CASA-11-11642
R-12 S2	504.5	05/26/2011	WG	Flow (in gpm)	10.4	gpm	CASA-11-11643
R-12 S2	504.5	05/26/2011	WG	Flow (in gpm)	10.4	gpm	CASA-11-11665
R-12 S2	504.5	05/26/2011	WG	Flow (in gpm)	10.4	gpm	CASA-11-10824
R-12 S2	504.5	05/26/2011	WG	Flow (in gpm)	10.4	gpm	CASA-11-11639
R-12 S2	504.5	05/26/2011	WG	Flow (in gpm)	10.4	gpm	CASA-11-11664
R-12 S2	504.5	07/27/2017	WG	Oxidation-Reduction Potential	21.2	mV	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	Oxidation-Reduction Potential	146.4	mV	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	Oxidation-Reduction Potential	-13.1	mV	CASA-15-102635
R-12 S2	504.5	07/21/2014	WG	Oxidation-Reduction Potential	20.7	mV	CASA-14-84038
R-12 S2	504.5	07/22/2013	WG	Oxidation-Reduction Potential	66.9	mV	CASA-13-37011
R-12 S2	504.5	07/27/2017	WG	pH	8.15	SU	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	pH	8.3	SU	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	pH	8.11	SU	CASA-15-102635
R-12 S2	504.5	07/21/2014	WG	pH	8.1	SU	CASA-14-84038
R-12 S2	504.5	07/22/2013	WG	pH	8.33	SU	CASA-13-37011
R-12 S2	504.5	07/27/2017	WG	Specific Conductance	179.6	µS/cm	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	Specific Conductance	193.1	µS/cm	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	Specific Conductance	188	µS/cm	CASA-15-102635
R-12 S2	504.5	07/21/2014	WG	Specific Conductance	174	µS/cm	CASA-14-84038
R-12 S2	504.5	07/22/2013	WG	Specific Conductance	172	µS/cm	CASA-13-37011
R-12 S2	504.5	07/27/2017	WG	Temperature	20.7	deg C	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	Temperature	20.27	deg C	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	Temperature	20.34	deg C	CASA-15-102635
R-12 S2	504.5	07/21/2014	WG	Temperature	20.4	deg C	CASA-14-84038
R-12 S2	504.5	07/22/2013	WG	Temperature	20.48	deg C	CASA-13-37011
R-12 S2	504.5	07/27/2017	WG	Turbidity	0.9	NTU	CASA-17-142037
R-12 S2	504.5	08/03/2016	WG	Turbidity	0.22	NTU	CASA-16-124326
R-12 S2	504.5	08/18/2015	WG	Turbidity	1.4	NTU	CASA-15-102635

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-12 S2	504.5	07/21/2014	WG	Turbidity	0.75	NTU	CASA-14-84038
R-12 S2	504.5	07/22/2013	WG	Turbidity	0.4	NTU	CASA-13-37011
R-16 S2	863.4	07/27/2017	WG	Dissolved Oxygen	5.81	mg/L	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	Dissolved Oxygen	5.77	mg/L	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	Dissolved Oxygen	5.78	mg/L	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	Dissolved Oxygen	5.76	mg/L	CAMO-14-81572
R-16 S2	863.4	07/24/2013	WG	Dissolved Oxygen	5.83	mg/L	CAMO-13-37034
R-16 S2	863.4	07/27/2017	WG	Flow (in gpm)	5.17	gpm	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	Flow (in gpm)	4.92	gpm	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	Flow (in gpm)	5	gpm	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	Flow (in gpm)	4.91	gpm	CAMO-14-81572
R-16 S2	863.4	08/18/2011	WG	Flow (in gpm)	4.7	gpm	CAMO-11-24502
R-16 S2	863.4	08/18/2011	WG	Flow (in gpm)	4.7	gpm	CAMO-11-24504
R-16 S2	863.4	08/18/2011	WG	Flow (in gpm)	4.7	gpm	CAMO-11-24691
R-16 S2	863.4	08/18/2011	WG	Flow (in gpm)	4.7	gpm	CAMO-11-24506
R-16 S2	863.4	07/27/2017	WG	Oxidation-Reduction Potential	122.7	mV	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	Oxidation-Reduction Potential	203.4	mV	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	Oxidation-Reduction Potential	80.6	mV	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	Oxidation-Reduction Potential	123.3	mV	CAMO-14-81572
R-16 S2	863.4	07/24/2013	WG	Oxidation-Reduction Potential	73.5	mV	CAMO-13-37034
R-16 S2	863.4	07/27/2017	WG	pH	8.23	SU	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	pH	8.27	SU	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	pH	8.19	SU	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	pH	8.07	SU	CAMO-14-81572
R-16 S2	863.4	07/24/2013	WG	pH	8.24	SU	CAMO-13-37034
R-16 S2	863.4	07/27/2017	WG	Specific Conductance	172.5	µS/cm	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	Specific Conductance	186.3	µS/cm	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	Specific Conductance	174	µS/cm	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	Specific Conductance	175	µS/cm	CAMO-14-81572

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-16 S2	863.4	07/24/2013	WG	Specific Conductance	172	µS/cm	CAMO-13-37034
R-16 S2	863.4	07/27/2017	WG	Temperature	22.8	deg C	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	Temperature	23.61	deg C	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	Temperature	22.61	deg C	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	Temperature	22.93	deg C	CAMO-14-81572
R-16 S2	863.4	07/24/2013	WG	Temperature	23.75	deg C	CAMO-13-37034
R-16 S2	863.4	07/27/2017	WG	Turbidity	5.2	NTU	CAMO-17-142061
R-16 S2	863.4	08/05/2016	WG	Turbidity	0.25	NTU	CAMO-16-124264
R-16 S2	863.4	08/19/2015	WG	Turbidity	1.26	NTU	CAMO-15-102576
R-16 S2	863.4	07/23/2014	WG	Turbidity	0.45	NTU	CAMO-14-81572
R-16 S2	863.4	07/24/2013	WG	Turbidity	0.9	NTU	CAMO-13-37034
R-16 S4	1237.0	07/27/2017	WG	Dissolved Oxygen	3.56	mg/L	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	Dissolved Oxygen	3.51	mg/L	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	Dissolved Oxygen	4.13	mg/L	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	Dissolved Oxygen	3.64	mg/L	CAMO-14-81573
R-16 S4	1237.0	07/25/2013	WG	Dissolved Oxygen	3.47	mg/L	CAMO-13-37035
R-16 S4	1237.0	07/27/2017	WG	Flow (in gpm)	3.37	gpm	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	Flow (in gpm)	3.26	gpm	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	Flow (in gpm)	3.44	gpm	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	Flow (in gpm)	3.23	gpm	CAMO-14-81573
R-16 S4	1237.0	08/18/2011	WG	Flow (in gpm)	2.8	gpm	CAMO-11-24689
R-16 S4	1237.0	08/18/2011	WG	Flow (in gpm)	2.8	gpm	CAMO-11-24510
R-16 S4	1237.0	08/18/2011	WG	Flow (in gpm)	2.8	gpm	CAMO-11-24512
R-16 S4	1237.0	08/18/2011	WG	Flow (in gpm)	2.8	gpm	CAMO-11-24508
R-16 S4	1237.0	07/27/2017	WG	Oxidation-Reduction Potential	86.8	mV	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	Oxidation-Reduction Potential	201.8	mV	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	Oxidation-Reduction Potential	74.4	mV	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	Oxidation-Reduction Potential	48.4	mV	CAMO-14-81573
R-16 S4	1237.0	07/25/2013	WG	Oxidation-Reduction Potential	67.8	mV	CAMO-13-37035

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-16 S4	1237.0	07/27/2017	WG	pH	8.17	SU	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	pH	8.15	SU	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	pH	8.05	SU	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	pH	8.06	SU	CAMO-14-81573
R-16 S4	1237.0	07/25/2013	WG	pH	8.09	SU	CAMO-13-37035
R-16 S4	1237.0	07/27/2017	WG	Specific Conductance	180.6	µS/cm	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	Specific Conductance	197.5	µS/cm	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	Specific Conductance	183	µS/cm	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	Specific Conductance	187	µS/cm	CAMO-14-81573
R-16 S4	1237.0	07/25/2013	WG	Specific Conductance	182	µS/cm	CAMO-13-37035
R-16 S4	1237.0	07/27/2017	WG	Temperature	23.1	deg C	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	Temperature	23.43	deg C	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	Temperature	23.31	deg C	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	Temperature	23.34	deg C	CAMO-14-81573
R-16 S4	1237.0	07/25/2013	WG	Temperature	22.71	deg C	CAMO-13-37035
R-16 S4	1237.0	07/27/2017	WG	Turbidity	0.27	NTU	CAMO-17-142062
R-16 S4	1237.0	08/04/2016	WG	Turbidity	0.16	NTU	CAMO-16-124265
R-16 S4	1237.0	08/19/2015	WG	Turbidity	0.91	NTU	CAMO-15-102577
R-16 S4	1237.0	07/22/2014	WG	Turbidity	0.2	NTU	CAMO-14-81573
R-16 S4	1237.0	07/25/2013	WG	Turbidity	0.16	NTU	CAMO-13-37035
R-16r	600.0	07/31/2017	WG	Dissolved Oxygen	6.31	mg/L	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	Dissolved Oxygen	6.25	mg/L	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	Dissolved Oxygen	6.28	mg/L	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	Dissolved Oxygen	6.46	mg/L	CAMO-14-81574
R-16r	600.0	07/24/2013	WG	Dissolved Oxygen	6.46	mg/L	CAMO-13-37036
R-16r	600.0	07/31/2017	WG	Flow (in gpm)	5.55	gpm	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	Flow (in gpm)	5.36	gpm	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	Flow (in gpm)	5.45	gpm	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	Flow (in gpm)	5.35	gpm	CAMO-14-81574

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-16r	600.0	08/10/2011	WG	Flow (in gpm)	5.1	gpm	CAMO-11-24514
R-16r	600.0	08/10/2011	WG	Flow (in gpm)	5.1	gpm	CAMO-11-24516
R-16r	600.0	08/10/2011	WG	Flow (in gpm)	5.1	gpm	CAMO-11-24518
R-16r	600.0	08/10/2011	WG	Flow (in gpm)	5.1	gpm	CAMO-11-24681
R-16r	600.0	07/31/2017	WG	Oxidation-Reduction Potential	217.7	mV	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	Oxidation-Reduction Potential	141.1	mV	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	Oxidation-Reduction Potential	188.8	mV	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	Oxidation-Reduction Potential	74.9	mV	CAMO-14-81574
R-16r	600.0	07/24/2013	WG	Oxidation-Reduction Potential	72.1	mV	CAMO-13-37036
R-16r	600.0	07/31/2017	WG	pH	7.77	SU	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	pH	8.26	SU	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	pH	7.99	SU	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	pH	8.17	SU	CAMO-14-81574
R-16r	600.0	07/24/2013	WG	pH	8.09	SU	CAMO-13-37036
R-16r	600.0	07/31/2017	WG	Specific Conductance	178.5	µS/cm	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	Specific Conductance	211.4	µS/cm	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	Specific Conductance	181	µS/cm	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	Specific Conductance	181	µS/cm	CAMO-14-81574
R-16r	600.0	07/24/2013	WG	Specific Conductance	182	µS/cm	CAMO-13-37036
R-16r	600.0	07/31/2017	WG	Temperature	20.8	deg C	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	Temperature	21.41	deg C	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	Temperature	20.95	deg C	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	Temperature	20.86	deg C	CAMO-14-81574
R-16r	600.0	07/24/2013	WG	Temperature	21.37	deg C	CAMO-13-37036
R-16r	600.0	07/31/2017	WG	Turbidity	0.2	NTU	CAMO-17-142063
R-16r	600.0	08/04/2016	WG	Turbidity	0.13	NTU	CAMO-16-124290
R-16r	600.0	08/14/2015	WG	Turbidity	0.4	NTU	CAMO-15-102578
R-16r	600.0	07/16/2014	WG	Turbidity	0.42	NTU	CAMO-14-81574
R-16r	600.0	07/24/2013	WG	Turbidity	0.2	NTU	CAMO-13-37036

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-17 S1	1057.0	04/19/2018	WG	Dissolved Oxygen	6.56	mg/L	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	Dissolved Oxygen	6.73	mg/L	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	Dissolved Oxygen	7.14	mg/L	CAPA-16-114709
R-17 S1	1057.0	04/20/2015	WG	Dissolved Oxygen	6.49	mg/L	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	Dissolved Oxygen	7.15	mg/L	CAPA-14-56388
R-17 S1	1057.0	04/19/2018	WG	Flow (in gpm)	2.11	gpm	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	Flow (in gpm)	2.11	gpm	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	Flow (in gpm)	2.14	gpm	CAPA-16-114709
R-17 S1	1057.0	04/20/2015	WG	Flow (in gpm)	1.9	gpm	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	Flow (in gpm)	2.2	gpm	CAPA-14-56388
R-17 S1	1057.0	04/19/2018	WG	Groundwater Elevation	5877.69	ft	CAPA-18-152863
R-17 S1	1057.0	04/19/2018	WG	Oxidation-Reduction Potential	75.8	mV	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	Oxidation-Reduction Potential	198.5	mV	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	Oxidation-Reduction Potential	-141.8	mV	CAPA-16-114709
R-17 S1	1057.0	04/20/2015	WG	Oxidation-Reduction Potential	103.4	mV	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	Oxidation-Reduction Potential	67	mV	CAPA-14-56388
R-17 S1	1057.0	04/19/2018	WG	pH	7.89	SU	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	pH	7.94	SU	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	pH	7.91	SU	CAPA-16-114709
R-17 S1	1057.0	04/20/2015	WG	pH	7.4	SU	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	pH	7.77	SU	CAPA-14-56388
R-17 S1	1057.0	04/19/2018	WG	Specific Conductance	121.1	µS/cm	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	Specific Conductance	122.9	µS/cm	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	Specific Conductance	144	µS/cm	CAPA-16-114709
R-17 S1	1057.0	04/20/2015	WG	Specific Conductance	126	µS/cm	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	Specific Conductance	124	µS/cm	CAPA-14-56388
R-17 S1	1057.0	04/19/2018	WG	Temperature	21.2	deg C	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	Temperature	21.2	deg C	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	Temperature	20.77	deg C	CAPA-16-114709

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-17 S1	1057.0	04/20/2015	WG	Temperature	18.26	deg C	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	Temperature	21.37	deg C	CAPA-14-56388
R-17 S1	1057.0	04/19/2018	WG	Total Volume Pumped	240.54	gal.	CAPA-18-152863
R-17 S1	1057.0	04/19/2018	WG	Turbidity	0.35	NTU	CAPA-18-152863
R-17 S1	1057.0	04/13/2017	WG	Turbidity	0.7	NTU	CAPA-17-130555
R-17 S1	1057.0	04/12/2016	WG	Turbidity	0.7	NTU	CAPA-16-114709
R-17 S1	1057.0	04/20/2015	WG	Turbidity	3.99	NTU	CAPA-15-93437
R-17 S1	1057.0	04/02/2014	WG	Turbidity	1.3	NTU	CAPA-14-56388
R-17 S2	1124.0	04/19/2018	WG	Dissolved Oxygen	6.52	mg/L	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	Dissolved Oxygen	6.44	mg/L	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	Dissolved Oxygen	6.59	mg/L	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	Dissolved Oxygen	6.6	mg/L	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	Dissolved Oxygen	6.5	mg/L	CAPA-14-56389
R-17 S2	1124.0	04/19/2018	WG	Flow (in gpm)	2.24	gpm	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	Flow (in gpm)	2.13	gpm	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	Flow (in gpm)	2.24	gpm	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	Flow (in gpm)	2.16	gpm	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	Flow (in gpm)	2.2	gpm	CAPA-14-56389
R-17 S2	1124.0	04/19/2018	WG	Groundwater Elevation	5879.48	ft	CAPA-18-152865
R-17 S2	1124.0	04/19/2018	WG	Oxidation-Reduction Potential	114.1	mV	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	Oxidation-Reduction Potential	173.9	mV	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	Oxidation-Reduction Potential	-137.1	mV	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	Oxidation-Reduction Potential	148.4	mV	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	Oxidation-Reduction Potential	32.2	mV	CAPA-14-56389
R-17 S2	1124.0	04/19/2018	WG	pH	7.92	SU	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	pH	8	SU	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	pH	7.97	SU	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	pH	7.95	SU	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	pH	7.89	SU	CAPA-14-56389

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-17 S2	1124.0	04/19/2018	WG	Specific Conductance	114.2	µS/cm	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	Specific Conductance	115.2	µS/cm	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	Specific Conductance	137	µS/cm	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	Specific Conductance	116	µS/cm	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	Specific Conductance	117	µS/cm	CAPA-14-56389
R-17 S2	1124.0	04/19/2018	WG	Temperature	22.1	deg C	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	Temperature	21.7	deg C	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	Temperature	21.1	deg C	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	Temperature	21.18	deg C	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	Temperature	20.88	deg C	CAPA-14-56389
R-17 S2	1124.0	04/19/2018	WG	Total Volume Pumped	154.56	gal.	CAPA-18-152865
R-17 S2	1124.0	04/19/2018	WG	Turbidity	4.6	NTU	CAPA-18-152865
R-17 S2	1124.0	04/13/2017	WG	Turbidity	0.41	NTU	CAPA-17-130556
R-17 S2	1124.0	04/12/2016	WG	Turbidity	0.35	NTU	CAPA-16-114710
R-17 S2	1124.0	04/20/2015	WG	Turbidity	0.22	NTU	CAPA-15-93438
R-17 S2	1124.0	04/02/2014	WG	Turbidity	0.3	NTU	CAPA-14-56389
R-24	825.0	06/25/2018	WG	Dissolved Oxygen	2.95	mg/L	CAPU-18-94
R-24	825.0	06/23/2017	WG	Dissolved Oxygen	3.85	mg/L	CAPU-17-139101
R-24	825.0	06/06/2016	WG	Dissolved Oxygen	3.07	mg/L	CAPU-16-116867
R-24	825.0	06/02/2015	WG	Dissolved Oxygen	3.13	mg/L	CAPA-15-97488
R-24	825.0	06/03/2014	WG	Dissolved Oxygen	3.03	mg/L	CAPU-14-79428
R-24	825.0	06/25/2018	WG	Flow (in gpm)	4.62	gpm	CAPU-18-94
R-24	825.0	06/23/2017	WG	Flow (in gpm)	4.54	gpm	CAPU-17-139101
R-24	825.0	06/06/2016	WG	Flow (in gpm)	4.48	gpm	CAPU-16-116867
R-24	825.0	06/02/2015	WG	Flow (in gpm)	4.35	gpm	CAPA-15-97488
R-24	825.0	06/03/2014	WG	Flow (in gpm)	4.48	gpm	CAPU-14-79428
R-24	825.0	06/25/2018	WG	Oxidation-Reduction Potential	163.5	mV	CAPU-18-94
R-24	825.0	06/23/2017	WG	Oxidation-Reduction Potential	135.1	mV	CAPU-17-139101
R-24	825.0	06/06/2016	WG	Oxidation-Reduction Potential	112	mV	CAPU-16-116867

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-24	825.0	06/02/2015	WG	Oxidation-Reduction Potential	96.5	mV	CAPA-15-97488
R-24	825.0	06/03/2014	WG	Oxidation-Reduction Potential	86.7	mV	CAPU-14-79428
R-24	825.0	06/25/2018	WG	Period Purge Volume	23.1	gal.	CAPU-18-94
R-24	825.0	06/25/2018	WG	pH	7.86	SU	CAPU-18-94
R-24	825.0	06/23/2017	WG	pH	8.14	SU	CAPU-17-139101
R-24	825.0	06/06/2016	WG	pH	7.87	SU	CAPU-16-116867
R-24	825.0	06/02/2015	WG	pH	7.84	SU	CAPA-15-97488
R-24	825.0	06/03/2014	WG	pH	7.87	SU	CAPU-14-79428
R-24	825.0	06/25/2018	WG	Purge Volume	343.54	gal.	CAPU-18-94
R-24	825.0	01/15/2009	WG	Purge Volume	395	gal.	CAPU-09-1804
R-24	825.0	08/26/2008	WG	Purge Volume	164	gal.	CAPU-08-14805
R-24	825.0	01/22/2008	WG	Purge Volume	4.5	gal.	CAPU-08-9903
R-24	825.0	07/18/2007	WG	Purge Volume	300	gal.	FU070700GR2401
R-24	825.0	06/25/2018	WG	Specific Conductance	251.1	µS/cm	CAPU-18-94
R-24	825.0	06/23/2017	WG	Specific Conductance	245.2	µS/cm	CAPU-17-139101
R-24	825.0	06/06/2016	WG	Specific Conductance	253	µS/cm	CAPU-16-116867
R-24	825.0	06/02/2015	WG	Specific Conductance	269	µS/cm	CAPA-15-97488
R-24	825.0	06/03/2014	WG	Specific Conductance	259	µS/cm	CAPU-14-79428
R-24	825.0	06/25/2018	WG	Temperature	29.2	deg C	CAPU-18-94
R-24	825.0	06/23/2017	WG	Temperature	29.5	deg C	CAPU-17-139101
R-24	825.0	06/06/2016	WG	Temperature	28.79	deg C	CAPU-16-116867
R-24	825.0	06/02/2015	WG	Temperature	29.14	deg C	CAPA-15-97488
R-24	825.0	06/03/2014	WG	Temperature	29.37	deg C	CAPU-14-79428
R-24	825.0	06/25/2018	WG	Total Volume Pumped	383.46	gal.	CAPU-18-94
R-24	825.0	06/25/2018	WG	Turbidity	0.17	NTU	CAPU-18-94
R-24	825.0	06/23/2017	WG	Turbidity	0.94	NTU	CAPU-17-139101
R-24	825.0	06/06/2016	WG	Turbidity	0.98	NTU	CAPU-16-116867
R-24	825.0	06/02/2015	WG	Turbidity	0.55	NTU	CAPA-15-97488
R-24	825.0	06/03/2014	WG	Turbidity	2.3	NTU	CAPU-14-79428

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-3	974.5	06/21/2018	WG	Dissolved Oxygen	4.6	mg/L	CAPU-18-97
R-3	974.5	06/27/2017	WG	Dissolved Oxygen	4.4	mg/L	CAPU-17-139102
R-3	974.5	06/06/2016	WG	Dissolved Oxygen	4.55	mg/L	CAPU-16-116868
R-3	974.5	06/10/2015	WG	Dissolved Oxygen	4.72	mg/L	CAPA-15-97489
R-3	974.5	06/04/2014	WG	Dissolved Oxygen	4.71	mg/L	CAPU-14-79429
R-3	974.5	06/21/2018	WG	Flow (in gpm)	6	gpm	CAPU-18-97
R-3	974.5	06/27/2017	WG	Flow (in gpm)	5.66	gpm	CAPU-17-139102
R-3	974.5	06/06/2016	WG	Flow (in gpm)	5.88	gpm	CAPU-16-116868
R-3	974.5	06/10/2015	WG	Flow (in gpm)	6	gpm	CAPA-15-97489
R-3	974.5	06/04/2014	WG	Flow (in gpm)	6	gpm	CAPU-14-79429
R-3	974.5	06/21/2018	WG	Groundwater Elevation	5730.22	ft	CAPU-18-97
R-3	974.5	06/21/2018	WG	Oxidation-Reduction Potential	205.8	mV	CAPU-18-97
R-3	974.5	06/27/2017	WG	Oxidation-Reduction Potential	217.3	mV	CAPU-17-139102
R-3	974.5	06/06/2016	WG	Oxidation-Reduction Potential	146.4	mV	CAPU-16-116868
R-3	974.5	06/10/2015	WG	Oxidation-Reduction Potential	150.5	mV	CAPA-15-97489
R-3	974.5	06/04/2014	WG	Oxidation-Reduction Potential	27.8	mV	CAPU-14-79429
R-3	974.5	06/21/2018	WG	Period Purge Volume	30	gal.	CAPU-18-97
R-3	974.5	06/21/2018	WG	pH	8.32	SU	CAPU-18-97
R-3	974.5	06/27/2017	WG	pH	8.05	SU	CAPU-17-139102
R-3	974.5	06/06/2016	WG	pH	8.39	SU	CAPU-16-116868
R-3	974.5	06/10/2015	WG	pH	8.34	SU	CAPA-15-97489
R-3	974.5	06/04/2014	WG	pH	8.27	SU	CAPU-14-79429
R-3	974.5	06/21/2018	WG	Purge Volume	1080.72	gal.	CAPU-18-97
R-3	974.5	06/21/2018	WG	Specific Conductance	183.2	µS/cm	CAPU-18-97
R-3	974.5	06/27/2017	WG	Specific Conductance	181.2	µS/cm	CAPU-17-139102
R-3	974.5	06/06/2016	WG	Specific Conductance	205	µS/cm	CAPU-16-116868
R-3	974.5	06/10/2015	WG	Specific Conductance	188	µS/cm	CAPA-15-97489
R-3	974.5	06/04/2014	WG	Specific Conductance	188	µS/cm	CAPU-14-79429
R-3	974.5	06/21/2018	WG	Temperature	25.4	deg C	CAPU-18-97

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-3	974.5	06/27/2017	WG	Temperature	25.2	deg C	CAPU-17-139102
R-3	974.5	06/06/2016	WG	Temperature	25.42	deg C	CAPU-16-116868
R-3	974.5	06/10/2015	WG	Temperature	25.07	deg C	CAPA-15-97489
R-3	974.5	06/04/2014	WG	Temperature	25.59	deg C	CAPU-14-79429
R-3	974.5	06/21/2018	WG	Total Volume Pumped	1122	gal.	CAPU-18-97
R-3	974.5	06/21/2018	WG	Turbidity	0.2	NTU	CAPU-18-97
R-3	974.5	06/27/2017	WG	Turbidity	0.23	NTU	CAPU-17-139102
R-3	974.5	06/06/2016	WG	Turbidity	0.28	NTU	CAPU-16-116868
R-3	974.5	06/10/2015	WG	Turbidity	0.45	NTU	CAPA-15-97489
R-3	974.5	06/04/2014	WG	Turbidity	0.27	NTU	CAPU-14-79429
R-34	883.7	11/15/2017	WG	Dissolved Oxygen	5.46	mg/L	CAMO-18-147982
R-34	883.7	08/08/2017	WG	Dissolved Oxygen	5.59	mg/L	CAMO-17-142064
R-34	883.7	05/12/2017	WG	Dissolved Oxygen	5.24	mg/L	CAMO-17-132465
R-34	883.7	02/15/2017	WG	Dissolved Oxygen	7.16	mg/L	CAMO-17-129356
R-34	883.7	11/21/2016	WG	Dissolved Oxygen	5.54	mg/L	CAMO-17-127333
R-34	883.7	08/05/2016	WG	Dissolved Oxygen	7.84	mg/L	CAMO-16-124270
R-34	883.7	11/15/2017	WG	Flow (in gpm)	2.75	gpm	CAMO-18-147982
R-34	883.7	08/08/2017	WG	Flow (in gpm)	2.88	gpm	CAMO-17-142064
R-34	883.7	05/12/2017	WG	Flow (in gpm)	2.83	gpm	CAMO-17-132465
R-34	883.7	02/15/2017	WG	Flow (in gpm)	2.86	gpm	CAMO-17-129356
R-34	883.7	11/21/2016	WG	Flow (in gpm)	3.1	gpm	CAMO-17-127333
R-34	883.7	08/05/2016	WG	Flow (in gpm)	2.77	gpm	CAMO-16-124270
R-34	883.7	11/15/2017	WG	Oxidation-Reduction Potential	193.1	mV	CAMO-18-147982
R-34	883.7	08/08/2017	WG	Oxidation-Reduction Potential	204.3	mV	CAMO-17-142064
R-34	883.7	05/12/2017	WG	Oxidation-Reduction Potential	272.3	mV	CAMO-17-132465
R-34	883.7	02/15/2017	WG	Oxidation-Reduction Potential	224.9	mV	CAMO-17-129356
R-34	883.7	11/21/2016	WG	Oxidation-Reduction Potential	203.5	mV	CAMO-17-127333
R-34	883.7	08/05/2016	WG	Oxidation-Reduction Potential	174.6	mV	CAMO-16-124270
R-34	883.7	11/15/2017	WG	pH	8.3	SU	CAMO-18-147982

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-34	883.7	08/08/2017	WG	pH	8.17	SU	CAMO-17-142064
R-34	883.7	05/12/2017	WG	pH	8.29	SU	CAMO-17-132465
R-34	883.7	02/15/2017	WG	pH	8.29	SU	CAMO-17-129356
R-34	883.7	11/21/2016	WG	pH	8.22	SU	CAMO-17-127333
R-34	883.7	08/05/2016	WG	pH	8.4	SU	CAMO-16-124270
R-34	883.7	11/15/2017	WG	Purge Volume	299.75	gal.	CAMO-18-147982
R-34	883.7	11/04/2008	WG	Purge Volume	360	gal.	CAMO-09-818
R-34	883.7	08/15/2008	WG	Purge Volume	344	gal.	CAMO-08-14546
R-34	883.7	02/19/2008	WG	Purge Volume	354	gal.	CAMO-08-10451
R-34	883.7	11/14/2007	WG	Purge Volume	350	gal.	CAMO-08-8647
R-34	883.7	11/15/2017	WG	Specific Conductance	154.2	µS/cm	CAMO-18-147982
R-34	883.7	08/08/2017	WG	Specific Conductance	155	µS/cm	CAMO-17-142064
R-34	883.7	05/12/2017	WG	Specific Conductance	154.5	µS/cm	CAMO-17-132465
R-34	883.7	02/15/2017	WG	Specific Conductance	154.8	µS/cm	CAMO-17-129356
R-34	883.7	11/21/2016	WG	Specific Conductance	157	µS/cm	CAMO-17-127333
R-34	883.7	08/05/2016	WG	Specific Conductance	184.2	µS/cm	CAMO-16-124270
R-34	883.7	11/15/2017	WG	Temperature	21.3	deg C	CAMO-18-147982
R-34	883.7	08/08/2017	WG	Temperature	22.4	deg C	CAMO-17-142064
R-34	883.7	05/12/2017	WG	Temperature	21.6	deg C	CAMO-17-132465
R-34	883.7	02/15/2017	WG	Temperature	21.5	deg C	CAMO-17-129356
R-34	883.7	11/21/2016	WG	Temperature	21	deg C	CAMO-17-127333
R-34	883.7	08/05/2016	WG	Temperature	22.47	deg C	CAMO-16-124270
R-34	883.7	11/15/2017	WG	Turbidity	1.66	NTU	CAMO-18-147982
R-34	883.7	08/08/2017	WG	Turbidity	0.86	NTU	CAMO-17-142064
R-34	883.7	05/12/2017	WG	Turbidity	2.02	NTU	CAMO-17-132465
R-34	883.7	02/15/2017	WG	Turbidity	0.6	NTU	CAMO-17-129356
R-34	883.7	11/21/2016	WG	Turbidity	3.13	NTU	CAMO-17-127333
R-34	883.7	08/05/2016	WG	Turbidity	0.51	NTU	CAMO-16-124270
R-3i	215.2	06/21/2018	WG	Dissolved Oxygen	7.38	mg/L	CAPU-18-83

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-3i	215.2	06/27/2017	WG	Dissolved Oxygen	7.2	mg/L	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	Dissolved Oxygen	7.8	mg/L	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	Dissolved Oxygen	7.77	mg/L	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	Dissolved Oxygen	8.66	mg/L	CAPU-14-79430
R-3i	215.2	06/21/2018	WG	Flow (in gpm)	0.85	gpm	CAPU-18-83
R-3i	215.2	06/27/2017	WG	Flow (in gpm)	0.89	gpm	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	Flow (in gpm)	0.77	gpm	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	Flow (in gpm)	0.73	gpm	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	Flow (in gpm)	0.98	gpm	CAPU-14-79430
R-3i	215.2	06/21/2018	WG	Groundwater Elevation	6187.54	ft	CAPU-18-83
R-3i	215.2	06/21/2018	WG	Oxidation-Reduction Potential	207.5	mV	CAPU-18-83
R-3i	215.2	06/27/2017	WG	Oxidation-Reduction Potential	214.5	mV	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	Oxidation-Reduction Potential	159.9	mV	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	Oxidation-Reduction Potential	126.4	mV	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	Oxidation-Reduction Potential	107.9	mV	CAPU-14-79430
R-3i	215.2	06/21/2018	WG	Period Purge Volume	2.55	gal.	CAPU-18-83
R-3i	215.2	06/21/2018	WG	pH	7.4	SU	CAPU-18-83
R-3i	215.2	06/27/2017	WG	pH	7.21	SU	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	pH	7.5	SU	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	pH	7.49	SU	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	pH	7.38	SU	CAPU-14-79430
R-3i	215.2	06/21/2018	WG	Purge Volume	13.13	gal.	CAPU-18-83
R-3i	215.2	09/03/2008	WG	Purge Volume	5.9	gal.	CAPU-08-14785
R-3i	215.2	01/16/2008	WG	Purge Volume	10	gal.	CAPU-08-10315
R-3i	215.2	06/21/2018	WG	Specific Conductance	542	µS/cm	CAPU-18-83
R-3i	215.2	06/27/2017	WG	Specific Conductance	536	µS/cm	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	Specific Conductance	551	µS/cm	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	Specific Conductance	542	µS/cm	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	Specific Conductance	540	µS/cm	CAPU-14-79430

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-3i	215.2	06/21/2018	WG	Temperature	13.8	deg C	CAPU-18-83
R-3i	215.2	06/27/2017	WG	Temperature	14.3	deg C	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	Temperature	14.04	deg C	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	Temperature	12.98	deg C	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	Temperature	12.99	deg C	CAPU-14-79430
R-3i	215.2	06/21/2018	WG	Total Volume Pumped	14.45	gal.	CAPU-18-83
R-3i	215.2	06/21/2018	WG	Turbidity	1.46	NTU	CAPU-18-83
R-3i	215.2	06/27/2017	WG	Turbidity	1.8	NTU	CAPU-17-139103
R-3i	215.2	06/02/2016	WG	Turbidity	4.2	NTU	CAPU-16-116869
R-3i	215.2	06/01/2015	WG	Turbidity	0.5	NTU	CAPA-15-97490
R-3i	215.2	06/04/2014	WG	Turbidity	6.4	NTU	CAPU-14-79430
R-4	792.9	06/26/2018	WG	Dissolved Oxygen	6.21	mg/L	CAPU-18-102
R-4	792.9	06/23/2017	WG	Dissolved Oxygen	4.87	mg/L	CAPU-17-139104
R-4	792.9	05/31/2016	WG	Dissolved Oxygen	4.32	mg/L	CAPU-16-116870
R-4	792.9	06/02/2015	WG	Dissolved Oxygen	3.01	mg/L	CAPA-15-97491
R-4	792.9	06/03/2014	WG	Dissolved Oxygen	3.1	mg/L	CAPU-14-79431
R-4	792.9	06/26/2018	WG	Flow (in gpm)	5.26	gpm	CAPU-18-102
R-4	792.9	06/23/2017	WG	Flow (in gpm)	3.49	gpm	CAPU-17-139104
R-4	792.9	05/31/2016	WG	Flow (in gpm)	3.3	gpm	CAPU-16-116870
R-4	792.9	06/02/2015	WG	Flow (in gpm)	3.37	gpm	CAPA-15-97491
R-4	792.9	06/03/2014	WG	Flow (in gpm)	3.49	gpm	CAPU-14-79431
R-4	792.9	06/26/2018	WG	Groundwater Elevation	5824.93	ft	CAPU-18-102
R-4	792.9	06/26/2018	WG	Oxidation-Reduction Potential	77.1	mV	CAPU-18-102
R-4	792.9	06/23/2017	WG	Oxidation-Reduction Potential	295.4	mV	CAPU-17-139104
R-4	792.9	05/31/2016	WG	Oxidation-Reduction Potential	105.6	mV	CAPU-16-116870
R-4	792.9	06/02/2015	WG	Oxidation-Reduction Potential	102.4	mV	CAPA-15-97491
R-4	792.9	06/03/2014	WG	Oxidation-Reduction Potential	45.6	mV	CAPU-14-79431
R-4	792.9	06/26/2018	WG	Period Purge Volume	26.3	gal.	CAPU-18-102
R-4	792.9	06/26/2018	WG	pH	8.03	SU	CAPU-18-102

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
R-4	792.9	06/23/2017	WG	pH	8.26	SU	CAPU-17-139104
R-4	792.9	05/31/2016	WG	pH	8.12	SU	CAPU-16-116870
R-4	792.9	06/02/2015	WG	pH	8.32	SU	CAPA-15-97491
R-4	792.9	06/03/2014	WG	pH	8.13	SU	CAPU-14-79431
R-4	792.9	06/26/2018	WG	Purge Volume	239.08	gal.	CAPU-18-102
R-4	792.9	08/26/2008	WG	Purge Volume	245	gal.	CAPU-08-14796
R-4	792.9	01/22/2008	WG	Purge Volume	3	gal.	CAPU-08-9891
R-4	792.9	07/18/2007	WG	Purge Volume	110	gal.	FU070700G04R01
R-4	792.9	06/26/2018	WG	Specific Conductance	188.2	µS/cm	CAPU-18-102
R-4	792.9	06/23/2017	WG	Specific Conductance	187.9	µS/cm	CAPU-17-139104
R-4	792.9	05/31/2016	WG	Specific Conductance	194	µS/cm	CAPU-16-116870
R-4	792.9	06/02/2015	WG	Specific Conductance	195	µS/cm	CAPA-15-97491
R-4	792.9	06/03/2014	WG	Specific Conductance	192	µS/cm	CAPU-14-79431
R-4	792.9	06/26/2018	WG	Temperature	25.6	deg C	CAPU-18-102
R-4	792.9	06/23/2017	WG	Temperature	25.2	deg C	CAPU-17-139104
R-4	792.9	05/31/2016	WG	Temperature	24.72	deg C	CAPU-16-116870
R-4	792.9	06/02/2015	WG	Temperature	25.57	deg C	CAPA-15-97491
R-4	792.9	06/03/2014	WG	Temperature	25.58	deg C	CAPU-14-79431
R-4	792.9	06/26/2018	WG	Total Volume Pumped	273.52	gal.	CAPU-18-102
R-4	792.9	06/26/2018	WG	Turbidity	0.18	NTU	CAPU-18-102
R-4	792.9	06/23/2017	WG	Turbidity	0.2	NTU	CAPU-17-139104
R-4	792.9	05/31/2016	WG	Turbidity	0.39	NTU	CAPU-16-116870
R-4	792.9	06/02/2015	WG	Turbidity	0.48	NTU	CAPA-15-97491
R-4	792.9	06/03/2014	WG	Turbidity	0.14	NTU	CAPU-14-79431
Rio Grande at Otowi Bridge	—	10/04/2017	WS	Dissolved Oxygen	8.11	mg/L	CAWR-18-147340
Rio Grande at Otowi Bridge	—	10/19/2016	WS	Dissolved Oxygen	9.23	mg/L	CAWR-16-126321
Rio Grande at Otowi Bridge	—	10/09/2015	WS	Dissolved Oxygen	8.56	mg/L	CAWR-16-104421
Rio Grande at Otowi Bridge	—	10/30/2014	WS	Dissolved Oxygen	9.22	mg/L	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/2014	WS	Dissolved Oxygen	8.75	mg/L	CAWR-14-86939

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Rio Grande at Otowi Bridge	—	10/04/2017	WS	Flow (in gpm)	601.432	gpm	CAWR-18-147340
Rio Grande at Otowi Bridge	—	10/19/2016	WS	Flow (in gpm)	198.383	gpm	CAWR-16-126321
Rio Grande at Otowi Bridge	—	10/30/2014	WS	Flow (in gpm)	268850	gpm	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/2014	WS	Flow (in gpm)	291740	gpm	CAWR-14-86939
Rio Grande at Otowi Bridge	—	01/26/2010	WS	Flow (in gpm)	3123.65	gpm	CAWR-10-11786
Rio Grande at Otowi Bridge	—	10/04/2017	WS	pH	8.14	SU	CAWR-18-147340
Rio Grande at Otowi Bridge	—	10/19/2016	WS	pH	8.23	SU	CAWR-16-126321
Rio Grande at Otowi Bridge	—	10/09/2015	WS	pH	8.02	SU	CAWR-16-104421
Rio Grande at Otowi Bridge	—	10/30/2014	WS	pH	8.18	SU	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/2014	WS	pH	8.27	SU	CAWR-14-86939
Rio Grande at Otowi Bridge	—	10/04/2017	WS	Specific Conductance	273.9	µS/cm	CAWR-18-147340
Rio Grande at Otowi Bridge	—	10/19/2016	WS	Specific Conductance	358	µS/cm	CAWR-16-126321
Rio Grande at Otowi Bridge	—	10/09/2015	WS	Specific Conductance	350	µS/cm	CAWR-16-104421
Rio Grande at Otowi Bridge	—	10/30/2014	WS	Specific Conductance	286	µS/cm	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/2014	WS	Specific Conductance	325	µS/cm	CAWR-14-86939
Rio Grande at Otowi Bridge	—	10/04/2017	WS	Temperature	16.7	deg C	CAWR-18-147340
Rio Grande at Otowi Bridge	—	10/19/2016	WS	Temperature	11.6	deg C	CAWR-16-126321
Rio Grande at Otowi Bridge	—	10/09/2015	WS	Temperature	17.68	deg C	CAWR-16-104421
Rio Grande at Otowi Bridge	—	10/30/2014	WS	Temperature	13.43	deg C	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/2014	WS	Temperature	13.8	deg C	CAWR-14-86939
Rio Grande at Otowi Bridge	—	10/04/2017	WS	Turbidity	94.2	NTU	CAWR-18-147340
Rio Grande at Otowi Bridge	—	10/19/2016	WS	Turbidity	10.8	NTU	CAWR-16-126321
Rio Grande at Otowi Bridge	—	10/09/2015	WS	Turbidity	34.7	NTU	CAWR-16-104421
Rio Grande at Otowi Bridge	—	10/30/2014	WS	Turbidity	32.4	NTU	CAWR-14-89237
Rio Grande at Otowi Bridge	—	10/06/2014	WS	Turbidity	79.8	NTU	CAWR-14-86939
Sacred Spring	—	10/03/2017	WG	Dissolved Oxygen	3.03	mg/L	CAWR-18-147311
Sacred Spring	—	10/19/2016	WG	Dissolved Oxygen	2.67	mg/L	CAWR-16-126322
Sacred Spring	—	10/14/2015	WG	Dissolved Oxygen	1.25	mg/L	CAWR-16-104422
Sacred Spring	—	10/30/2014	WG	Dissolved Oxygen	3.7	mg/L	CAWR-14-89229

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Sacred Spring	—	12/12/2013	WG	Dissolved Oxygen	2.18	mg/L	CAWR-13-42147
Sacred Spring	—	10/03/2017	WG	Flow (in gpm)	0.44	gpm	CAWR-18-147311
Sacred Spring	—	10/19/2016	WG	Flow (in gpm)	0.46	gpm	CAWR-16-126322
Sacred Spring	—	10/14/2015	WG	Flow (in gpm)	0.48	gpm	CAWR-16-104422
Sacred Spring	—	10/30/2014	WG	Flow (in gpm)	4.49	gpm	CAWR-14-89229
Sacred Spring	—	10/06/2010	WG	Flow (in gpm)	0.24	gpm	CAWR-10-25332
Sacred Spring	—	10/03/2017	WG	pH	7.15	SU	CAWR-18-147311
Sacred Spring	—	10/19/2016	WG	pH	7.01	SU	CAWR-16-126322
Sacred Spring	—	10/14/2015	WG	pH	7.28	SU	CAWR-16-104422
Sacred Spring	—	10/30/2014	WG	pH	7.33	SU	CAWR-14-89229
Sacred Spring	—	12/12/2013	WG	pH	6.85	SU	CAWR-13-42147
Sacred Spring	—	10/03/2017	WG	Specific Conductance	356.6	µS/cm	CAWR-18-147311
Sacred Spring	—	10/19/2016	WG	Specific Conductance	298.2	µS/cm	CAWR-16-126322
Sacred Spring	—	10/14/2015	WG	Specific Conductance	295	µS/cm	CAWR-16-104422
Sacred Spring	—	10/30/2014	WG	Specific Conductance	365	µS/cm	CAWR-14-89229
Sacred Spring	—	12/12/2013	WG	Specific Conductance	527	µS/cm	CAWR-13-42147
Sacred Spring	—	10/03/2017	WG	Temperature	15	deg C	CAWR-18-147311
Sacred Spring	—	10/19/2016	WG	Temperature	14.1	deg C	CAWR-16-126322
Sacred Spring	—	10/14/2015	WG	Temperature	15.38	deg C	CAWR-16-104422
Sacred Spring	—	10/30/2014	WG	Temperature	12.94	deg C	CAWR-14-89229
Sacred Spring	—	12/12/2013	WG	Temperature	6.15	deg C	CAWR-13-42147
Sacred Spring	—	10/03/2017	WG	Turbidity	1.5	NTU	CAWR-18-147311
Sacred Spring	—	10/19/2016	WG	Turbidity	1.3	NTU	CAWR-16-126322
Sacred Spring	—	10/14/2015	WG	Turbidity	50.3	NTU	CAWR-16-104422
Sacred Spring	—	10/30/2014	WG	Turbidity	10.9	NTU	CAWR-14-89229
Sacred Spring	—	12/12/2013	WG	Turbidity	2.2	NTU	CAWR-13-42147
Spring 1	—	10/10/2017	WG	Dissolved Oxygen	5.66	mg/L	CAWR-18-147356
Spring 1	—	10/11/2016	WG	Dissolved Oxygen	6.2	mg/L	CAWR-16-126324
Spring 1	—	10/09/2015	WG	Dissolved Oxygen	6.33	mg/L	CAWR-16-104424

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 1	—	09/29/2014	WG	Dissolved Oxygen	6.18	mg/L	CAWR-14-86942
Spring 1	—	12/11/2013	WG	Dissolved Oxygen	5.73	mg/L	CAWR-13-42149
Spring 1	—	10/10/2017	WG	Flow (in gpm)	0.3	gpm	CAWR-18-147356
Spring 1	—	10/11/2016	WG	Flow (in gpm)	1.35	gpm	CAWR-16-126324
Spring 1	—	10/09/2015	WG	Flow (in gpm)	1.66	gpm	CAWR-16-104424
Spring 1	—	09/29/2014	WG	Flow (in gpm)	3.14	gpm	CAWR-14-86942
Spring 1	—	10/11/2011	WG	Flow (in gpm)	0.31	gpm	CAWR-11-27999
Spring 1	—	10/10/2017	WG	pH	7.7	SU	CAWR-18-147356
Spring 1	—	10/11/2016	WG	pH	7.47	SU	CAWR-16-126324
Spring 1	—	10/09/2015	WG	pH	7.77	SU	CAWR-16-104424
Spring 1	—	09/29/2014	WG	pH	7.78	SU	CAWR-14-86942
Spring 1	—	12/11/2013	WG	pH	7.9	SU	CAWR-13-42149
Spring 1	—	10/10/2017	WG	Specific Conductance	227.9	µS/cm	CAWR-18-147356
Spring 1	—	10/11/2016	WG	Specific Conductance	213.9	µS/cm	CAWR-16-126324
Spring 1	—	10/09/2015	WG	Specific Conductance	218	µS/cm	CAWR-16-104424
Spring 1	—	09/29/2014	WG	Specific Conductance	216	µS/cm	CAWR-14-86942
Spring 1	—	12/11/2013	WG	Specific Conductance	214	µS/cm	CAWR-13-42149
Spring 1	—	10/10/2017	WG	Temperature	16.6	deg C	CAWR-18-147356
Spring 1	—	10/11/2016	WG	Temperature	18.1	deg C	CAWR-16-126324
Spring 1	—	10/09/2015	WG	Temperature	18.56	deg C	CAWR-16-104424
Spring 1	—	09/29/2014	WG	Temperature	18.94	deg C	CAWR-14-86942
Spring 1	—	12/11/2013	WG	Temperature	15.45	deg C	CAWR-13-42149
Spring 1	—	10/10/2017	WG	Turbidity	3.1	NTU	CAWR-18-147356
Spring 1	—	10/11/2016	WG	Turbidity	4.2	NTU	CAWR-16-126324
Spring 1	—	10/09/2015	WG	Turbidity	11.1	NTU	CAWR-16-104424
Spring 1	—	09/29/2014	WG	Turbidity	3.5	NTU	CAWR-14-86942
Spring 1	—	12/11/2013	WG	Turbidity	4.8	NTU	CAWR-13-42149
Spring 2	—	10/10/2017	WG	Dissolved Oxygen	6.17	mg/L	CAWR-18-147758
Spring 2	—	10/11/2016	WG	Dissolved Oxygen	5.92	mg/L	CAWR-16-126325

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 2	—	10/09/2015	WG	Dissolved Oxygen	6.46	mg/L	CAWR-16-104425
Spring 2	—	10/29/2014	WG	Dissolved Oxygen	8.35	mg/L	CAWR-14-89231
Spring 2	—	09/29/2014	WG	Dissolved Oxygen	6.32	mg/L	CAWR-14-87098
Spring 2	—	10/10/2017	WG	Flow (in gpm)	0.07	gpm	CAWR-18-147758
Spring 2	—	10/11/2016	WG	Flow (in gpm)	0.25	gpm	CAWR-16-126325
Spring 2	—	10/09/2015	WG	Flow (in gpm)	0.17	gpm	CAWR-16-104425
Spring 2	—	10/29/2014	WG	Flow (in gpm)	0.4	gpm	CAWR-14-89231
Spring 2	—	09/29/2014	WG	Flow (in gpm)	0.17	gpm	CAWR-14-87098
Spring 2	—	10/10/2017	WG	pH	9.7	SU	CAWR-18-147758
Spring 2	—	10/11/2016	WG	pH	7.74	SU	CAWR-16-126325
Spring 2	—	10/09/2015	WG	pH	7.67	SU	CAWR-16-104425
Spring 2	—	10/29/2014	WG	pH	7.53	SU	CAWR-14-89231
Spring 2	—	09/29/2014	WG	pH	7.96	SU	CAWR-14-87098
Spring 2	—	10/10/2017	WG	Specific Conductance	230	µS/cm	CAWR-18-147758
Spring 2	—	10/11/2016	WG	Specific Conductance	106.2	µS/cm	CAWR-16-126325
Spring 2	—	10/09/2015	WG	Specific Conductance	233	µS/cm	CAWR-16-104425
Spring 2	—	10/29/2014	WG	Specific Conductance	238	µS/cm	CAWR-14-89231
Spring 2	—	09/29/2014	WG	Specific Conductance	192	µS/cm	CAWR-14-87098
Spring 2	—	10/10/2017	WG	Temperature	15.3	deg C	CAWR-18-147758
Spring 2	—	10/11/2016	WG	Temperature	17.6	deg C	CAWR-16-126325
Spring 2	—	10/09/2015	WG	Temperature	16.46	deg C	CAWR-16-104425
Spring 2	—	10/29/2014	WG	Temperature	12.65	deg C	CAWR-14-89231
Spring 2	—	09/29/2014	WG	Temperature	17.76	deg C	CAWR-14-87098
Spring 2	—	10/10/2017	WG	Turbidity	9.7	NTU	CAWR-18-147758
Spring 2	—	10/11/2016	WG	Turbidity	85.3	NTU	CAWR-16-126325
Spring 2	—	10/09/2015	WG	Turbidity	5.4	NTU	CAWR-16-104425
Spring 2	—	10/29/2014	WG	Turbidity	27.7	NTU	CAWR-14-89231
Spring 2	—	09/29/2014	WG	Turbidity	13.4	NTU	CAWR-14-87098
Spring 3	—	10/10/2017	WG	Dissolved Oxygen	6.89	mg/L	CAWR-18-147408

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 3	—	10/11/2016	WG	Dissolved Oxygen	6.75	mg/L	CAWR-16-126326
Spring 3	—	09/29/2014	WG	Dissolved Oxygen	6.86	mg/L	CAWR-14-86894
Spring 3	—	09/24/2012	WG	Dissolved Oxygen	6.64	mg/L	CAWR-12-23438
Spring 3	—	09/27/2010	WG	Dissolved Oxygen	6.37	mg/L	CAWR-10-25426
Spring 3	—	10/10/2017	WG	Flow (in gpm)	20.6	gpm	CAWR-18-147408
Spring 3	—	10/11/2016	WG	Flow (in gpm)	21.7	gpm	CAWR-16-126326
Spring 3	—	09/29/2014	WG	Flow (in gpm)	3.6	gpm	CAWR-14-86894
Spring 3	—	09/27/2010	WG	Flow (in gpm)	7	gpm	CAWR-10-25426
Spring 3	—	09/29/2008	WG	Flow (in gpm)	1.5	gpm	CAWR-08-15484
Spring 3	—	10/10/2017	WG	pH	7.9	SU	CAWR-18-147408
Spring 3	—	10/11/2016	WG	pH	7.46	SU	CAWR-16-126326
Spring 3	—	09/29/2014	WG	pH	7.56	SU	CAWR-14-86894
Spring 3	—	09/24/2012	WG	pH	7.61	SU	CAWR-12-23438
Spring 3	—	09/27/2010	WG	pH	7.01	SU	CAWR-10-25426
Spring 3	—	10/10/2017	WG	Specific Conductance	211.2	µS/cm	CAWR-18-147408
Spring 3	—	10/11/2016	WG	Specific Conductance	209.8	µS/cm	CAWR-16-126326
Spring 3	—	09/29/2014	WG	Specific Conductance	201	µS/cm	CAWR-14-86894
Spring 3	—	09/24/2012	WG	Specific Conductance	209	µS/cm	CAWR-12-23438
Spring 3	—	09/27/2010	WG	Specific Conductance	188	µS/cm	CAWR-10-25426
Spring 3	—	10/10/2017	WG	Temperature	18.6	deg C	CAWR-18-147408
Spring 3	—	10/11/2016	WG	Temperature	19.8	deg C	CAWR-16-126326
Spring 3	—	09/29/2014	WG	Temperature	20.52	deg C	CAWR-14-86894
Spring 3	—	09/24/2012	WG	Temperature	20.67	deg C	CAWR-12-23438
Spring 3	—	09/27/2010	WG	Temperature	19.79	deg C	CAWR-10-25426
Spring 3	—	10/10/2017	WG	Turbidity	3.1	NTU	CAWR-18-147408
Spring 3	—	10/11/2016	WG	Turbidity	0.8	NTU	CAWR-16-126326
Spring 3	—	09/29/2014	WG	Turbidity	6.8	NTU	CAWR-14-86894
Spring 3	—	09/24/2012	WG	Turbidity	0.87	NTU	CAWR-12-23438
Spring 3	—	09/27/2010	WG	Turbidity	1.64	NTU	CAWR-10-25426

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 3A	—	10/10/2017	WG	Dissolved Oxygen	6.33	mg/L	CAWR-18-147409
Spring 3A	—	10/11/2016	WG	Dissolved Oxygen	6.47	mg/L	CAWR-16-126327
Spring 3A	—	10/08/2015	WG	Dissolved Oxygen	6.37	mg/L	CAWR-16-104426
Spring 3A	—	09/29/2014	WG	Dissolved Oxygen	6.76	mg/L	CAWR-14-86895
Spring 3A	—	12/02/2013	WG	Dissolved Oxygen	6.81	mg/L	CAWR-13-42151
Spring 3A	—	10/10/2017	WG	Flow (in gpm)	40.39	gpm	CAWR-18-147409
Spring 3A	—	10/11/2016	WG	Flow (in gpm)	97.8	gpm	CAWR-16-126327
Spring 3A	—	10/08/2015	WG	Flow (in gpm)	28.3	gpm	CAWR-16-104426
Spring 3A	—	09/29/2014	WG	Flow (in gpm)	28.3	gpm	CAWR-14-86895
Spring 3A	—	10/03/2011	WG	Flow (in gpm)	63.04	gpm	CAWR-11-28005
Spring 3A	—	10/10/2017	WG	pH	7.62	SU	CAWR-18-147409
Spring 3A	—	10/11/2016	WG	pH	7.55	SU	CAWR-16-126327
Spring 3A	—	10/08/2015	WG	pH	7.13	SU	CAWR-16-104426
Spring 3A	—	09/29/2014	WG	pH	7.48	SU	CAWR-14-86895
Spring 3A	—	12/02/2013	WG	pH	7.8	SU	CAWR-13-42151
Spring 3A	—	10/10/2017	WG	Specific Conductance	196.5	µS/cm	CAWR-18-147409
Spring 3A	—	10/11/2016	WG	Specific Conductance	203.4	µS/cm	CAWR-16-126327
Spring 3A	—	10/08/2015	WG	Specific Conductance	198	µS/cm	CAWR-16-104426
Spring 3A	—	09/29/2014	WG	Specific Conductance	198	µS/cm	CAWR-14-86895
Spring 3A	—	12/02/2013	WG	Specific Conductance	204	µS/cm	CAWR-13-42151
Spring 3A	—	10/10/2017	WG	Temperature	19.7	deg C	CAWR-18-147409
Spring 3A	—	10/11/2016	WG	Temperature	20	deg C	CAWR-16-126327
Spring 3A	—	10/08/2015	WG	Temperature	19.75	deg C	CAWR-16-104426
Spring 3A	—	09/29/2014	WG	Temperature	20.44	deg C	CAWR-14-86895
Spring 3A	—	12/02/2013	WG	Temperature	19.8	deg C	CAWR-13-42151
Spring 3A	—	10/10/2017	WG	Turbidity	1	NTU	CAWR-18-147409
Spring 3A	—	10/11/2016	WG	Turbidity	5	NTU	CAWR-16-126327
Spring 3A	—	10/08/2015	WG	Turbidity	0.7	NTU	CAWR-16-104426
Spring 3A	—	09/29/2014	WG	Turbidity	2.5	NTU	CAWR-14-86895

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 3A	—	12/02/2013	WG	Turbidity	0.6	NTU	CAWR-13-42151
Spring 3AA	—	10/10/2017	WG	Dissolved Oxygen	6.43	mg/L	CAWR-18-147410
Spring 3AA	—	10/11/2016	WG	Dissolved Oxygen	6.06	mg/L	CAWR-16-126328
Spring 3AA	—	09/29/2014	WG	Dissolved Oxygen	7.32	mg/L	CAWR-14-86896
Spring 3AA	—	09/24/2012	WG	Dissolved Oxygen	6.34	mg/L	CAWR-12-23440
Spring 3AA	—	10/03/2011	WG	Dissolved Oxygen	5.72	mg/L	CAWR-11-28008
Spring 3AA	—	10/10/2017	WG	Flow (in gpm)	0.48	gpm	CAWR-18-147410
Spring 3AA	—	10/11/2016	WG	Flow (in gpm)	0.35	gpm	CAWR-16-126328
Spring 3AA	—	09/29/2014	WG	Flow (in gpm)	0.045	gpm	CAWR-14-86896
Spring 3AA	—	10/03/2011	WG	Flow (in gpm)	0.07	gpm	CAWR-11-28008
Spring 3AA	—	09/27/2010	WG	Flow (in gpm)	0.5	gpm	CAWR-10-25447
Spring 3AA	—	10/10/2017	WG	pH	7.6	SU	CAWR-18-147410
Spring 3AA	—	10/11/2016	WG	pH	7.86	SU	CAWR-16-126328
Spring 3AA	—	09/29/2014	WG	pH	7.68	SU	CAWR-14-86896
Spring 3AA	—	09/24/2012	WG	pH	7.84	SU	CAWR-12-23440
Spring 3AA	—	10/03/2011	WG	pH	7.75	SU	CAWR-11-28008
Spring 3AA	—	10/10/2017	WG	Specific Conductance	167.3	µS/cm	CAWR-18-147410
Spring 3AA	—	10/11/2016	WG	Specific Conductance	171.7	µS/cm	CAWR-16-126328
Spring 3AA	—	09/29/2014	WG	Specific Conductance	179	µS/cm	CAWR-14-86896
Spring 3AA	—	09/24/2012	WG	Specific Conductance	174	µS/cm	CAWR-12-23440
Spring 3AA	—	10/03/2011	WG	Specific Conductance	181	µS/cm	CAWR-11-28008
Spring 3AA	—	10/10/2017	WG	Temperature	19	deg C	CAWR-18-147410
Spring 3AA	—	10/11/2016	WG	Temperature	20.1	deg C	CAWR-16-126328
Spring 3AA	—	09/29/2014	WG	Temperature	19.45	deg C	CAWR-14-86896
Spring 3AA	—	09/24/2012	WG	Temperature	20.12	deg C	CAWR-12-23440
Spring 3AA	—	10/03/2011	WG	Temperature	19.47	deg C	CAWR-11-28008
Spring 3AA	—	10/10/2017	WG	Turbidity	0.8	NTU	CAWR-18-147410
Spring 3AA	—	10/11/2016	WG	Turbidity	8	NTU	CAWR-16-126328
Spring 3AA	—	09/29/2014	WG	Turbidity	7.6	NTU	CAWR-14-86896

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 3AA	—	09/24/2012	WG	Turbidity	2.41	NTU	CAWR-12-23440
Spring 3AA	—	10/03/2011	WG	Turbidity	8.32	NTU	CAWR-11-28008
Spring 4	—	10/10/2017	WG	Dissolved Oxygen	7.33	mg/L	CAWR-18-147401
Spring 4	—	10/11/2016	WG	Dissolved Oxygen	7.42	mg/L	CAWR-16-126329
Spring 4	—	10/13/2015	WG	Dissolved Oxygen	7.21	mg/L	CAWR-16-104427
Spring 4	—	09/29/2014	WG	Dissolved Oxygen	7.31	mg/L	CAWR-14-86897
Spring 4	—	09/24/2012	WG	Dissolved Oxygen	7.21	mg/L	CAWR-12-23441
Spring 4	—	10/10/2017	WG	Flow (in gpm)	43.54	gpm	CAWR-18-147401
Spring 4	—	10/11/2016	WG	Flow (in gpm)	40.4	gpm	CAWR-16-126329
Spring 4	—	10/13/2015	WG	Flow (in gpm)	23	gpm	CAWR-16-104427
Spring 4	—	09/29/2014	WG	Flow (in gpm)	46.7	gpm	CAWR-14-86897
Spring 4	—	09/27/2010	WG	Flow (in gpm)	4.3	gpm	CAWR-10-25434
Spring 4	—	10/10/2017	WG	pH	7.27	SU	CAWR-18-147401
Spring 4	—	10/11/2016	WG	pH	7.4	SU	CAWR-16-126329
Spring 4	—	10/13/2015	WG	pH	7.71	SU	CAWR-16-104427
Spring 4	—	09/29/2014	WG	pH	7.45	SU	CAWR-14-86897
Spring 4	—	09/24/2012	WG	pH	7.26	SU	CAWR-12-23441
Spring 4	—	10/10/2017	WG	Specific Conductance	217.3	µS/cm	CAWR-18-147401
Spring 4	—	10/11/2016	WG	Specific Conductance	222	µS/cm	CAWR-16-126329
Spring 4	—	10/13/2015	WG	Specific Conductance	217	µS/cm	CAWR-16-104427
Spring 4	—	09/29/2014	WG	Specific Conductance	220	µS/cm	CAWR-14-86897
Spring 4	—	09/24/2012	WG	Specific Conductance	220	µS/cm	CAWR-12-23441
Spring 4	—	10/10/2017	WG	Temperature	16.9	deg C	CAWR-18-147401
Spring 4	—	10/11/2016	WG	Temperature	18	deg C	CAWR-16-126329
Spring 4	—	10/13/2015	WG	Temperature	16.94	deg C	CAWR-16-104427
Spring 4	—	09/29/2014	WG	Temperature	17.14	deg C	CAWR-14-86897
Spring 4	—	09/24/2012	WG	Temperature	17.86	deg C	CAWR-12-23441
Spring 4	—	10/10/2017	WG	Turbidity	2	NTU	CAWR-18-147401
Spring 4	—	10/11/2016	WG	Turbidity	1.4	NTU	CAWR-16-126329

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 4	—	10/13/2015	WG	Turbidity	2.6	NTU	CAWR-16-104427
Spring 4	—	09/29/2014	WG	Turbidity	3.5	NTU	CAWR-14-86897
Spring 4	—	09/24/2012	WG	Turbidity	2.68	NTU	CAWR-12-23441
Spring 4A	—	10/11/2017	WG	Dissolved Oxygen	6.46	mg/L	CAWR-18-147319
Spring 4A	—	10/12/2016	WG	Dissolved Oxygen	6.94	mg/L	CAWR-16-126330
Spring 4A	—	10/08/2015	WG	Dissolved Oxygen	7.08	mg/L	CAWR-16-104428
Spring 4A	—	09/30/2014	WG	Dissolved Oxygen	7.25	mg/L	CAWR-14-86898
Spring 4A	—	12/03/2013	WG	Dissolved Oxygen	7.31	mg/L	CAWR-13-42152
Spring 4A	—	10/11/2017	WG	pH	7.71	SU	CAWR-18-147319
Spring 4A	—	10/12/2016	WG	pH	7.6	SU	CAWR-16-126330
Spring 4A	—	10/08/2015	WG	pH	7.56	SU	CAWR-16-104428
Spring 4A	—	09/30/2014	WG	pH	7.65	SU	CAWR-14-86898
Spring 4A	—	12/03/2013	WG	pH	7.81	SU	CAWR-13-42152
Spring 4A	—	10/11/2017	WG	Specific Conductance	201.9	µS/cm	CAWR-18-147319
Spring 4A	—	10/12/2016	WG	Specific Conductance	203.6	µS/cm	CAWR-16-126330
Spring 4A	—	10/08/2015	WG	Specific Conductance	204	µS/cm	CAWR-16-104428
Spring 4A	—	09/30/2014	WG	Specific Conductance	204	µS/cm	CAWR-14-86898
Spring 4A	—	12/03/2013	WG	Specific Conductance	202	µS/cm	CAWR-13-42152
Spring 4A	—	10/11/2017	WG	Temperature	19.4	deg C	CAWR-18-147319
Spring 4A	—	10/12/2016	WG	Temperature	20.2	deg C	CAWR-16-126330
Spring 4A	—	10/08/2015	WG	Temperature	19.82	deg C	CAWR-16-104428
Spring 4A	—	09/30/2014	WG	Temperature	20.19	deg C	CAWR-14-86898
Spring 4A	—	12/03/2013	WG	Temperature	19.86	deg C	CAWR-13-42152
Spring 4A	—	10/11/2017	WG	Turbidity	0.1	NTU	CAWR-18-147319
Spring 4A	—	10/12/2016	WG	Turbidity	0.7	NTU	CAWR-16-126330
Spring 4A	—	10/08/2015	WG	Turbidity	1.2	NTU	CAWR-16-104428
Spring 4A	—	09/30/2014	WG	Turbidity	0.67	NTU	CAWR-14-86898
Spring 4A	—	12/03/2013	WG	Turbidity	4.9	NTU	CAWR-13-42152
Spring 4AA	—	10/11/2017	WG	Dissolved Oxygen	4.6	mg/L	CAWR-18-147320

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 4AA	—	10/12/2016	WG	Dissolved Oxygen	5.68	mg/L	CAWR-16-126331
Spring 4AA	—	10/13/2015	WG	Dissolved Oxygen	4.76	mg/L	CAWR-16-104429
Spring 4AA	—	09/30/2014	WG	Dissolved Oxygen	7.68	mg/L	CAWR-14-86899
Spring 4AA	—	09/24/2012	WG	Dissolved Oxygen	7.11	mg/L	CAWR-12-23443
Spring 4AA	—	10/11/2017	WG	pH	7.18	SU	CAWR-18-147320
Spring 4AA	—	10/12/2016	WG	pH	7.2	SU	CAWR-16-126331
Spring 4AA	—	10/13/2015	WG	pH	7.3	SU	CAWR-16-104429
Spring 4AA	—	09/30/2014	WG	pH	7.25	SU	CAWR-14-86899
Spring 4AA	—	09/24/2012	WG	pH	7.65	SU	CAWR-12-23443
Spring 4AA	—	10/11/2017	WG	Specific Conductance	213.3	µS/cm	CAWR-18-147320
Spring 4AA	—	10/12/2016	WG	Specific Conductance	210.9	µS/cm	CAWR-16-126331
Spring 4AA	—	10/13/2015	WG	Specific Conductance	216	µS/cm	CAWR-16-104429
Spring 4AA	—	09/30/2014	WG	Specific Conductance	215	µS/cm	CAWR-14-86899
Spring 4AA	—	09/24/2012	WG	Specific Conductance	216	µS/cm	CAWR-12-23443
Spring 4AA	—	10/11/2017	WG	Temperature	18.7	deg C	CAWR-18-147320
Spring 4AA	—	10/12/2016	WG	Temperature	18.7	deg C	CAWR-16-126331
Spring 4AA	—	10/13/2015	WG	Temperature	19.47	deg C	CAWR-16-104429
Spring 4AA	—	09/30/2014	WG	Temperature	18.99	deg C	CAWR-14-86899
Spring 4AA	—	09/24/2012	WG	Temperature	19.18	deg C	CAWR-12-23443
Spring 4AA	—	10/11/2017	WG	Turbidity	1.3	NTU	CAWR-18-147320
Spring 4AA	—	10/12/2016	WG	Turbidity	1.7	NTU	CAWR-16-126331
Spring 4AA	—	10/13/2015	WG	Turbidity	5.1	NTU	CAWR-16-104429
Spring 4AA	—	09/30/2014	WG	Turbidity	1.22	NTU	CAWR-14-86899
Spring 4AA	—	09/24/2012	WG	Turbidity	1.34	NTU	CAWR-12-23443
Spring 4B	—	10/11/2017	WG	Dissolved Oxygen	6.7	mg/L	CAWR-18-147413
Spring 4B	—	10/12/2016	WG	Dissolved Oxygen	5.27	mg/L	CAWR-16-126332
Spring 4B	—	10/15/2015	WG	Dissolved Oxygen	5.97	mg/L	CAWR-16-104430
Spring 4B	—	09/30/2014	WG	Dissolved Oxygen	7.59	mg/L	CAWR-14-86900
Spring 4B	—	09/30/2014	WG	Dissolved Oxygen	7.59	mg/L	CAWR-14-86950

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 4B	—	09/25/2012	WG	Dissolved Oxygen	7.15	mg/L	CAWR-12-23444
Spring 4B	—	10/11/2017	WG	Flow (in gpm)	0.12	gpm	CAWR-18-147413
Spring 4B	—	10/12/2016	WG	Flow (in gpm)	0.185	gpm	CAWR-16-126332
Spring 4B	—	10/15/2015	WG	Flow (in gpm)	0.4	gpm	CAWR-16-104430
Spring 4B	—	09/30/2014	WG	Flow (in gpm)	1	gpm	CAWR-14-86900
Spring 4B	—	10/05/2011	WG	Flow (in gpm)	0.26	gpm	CAWR-11-28025
Spring 4B	—	10/11/2017	WG	pH	7.52	SU	CAWR-18-147413
Spring 4B	—	10/12/2016	WG	pH	7.11	SU	CAWR-16-126332
Spring 4B	—	10/15/2015	WG	pH	7.32	SU	CAWR-16-104430
Spring 4B	—	09/30/2014	WG	pH	7.52	SU	CAWR-14-86900
Spring 4B	—	09/30/2014	WG	pH	7.52	SU	CAWR-14-86950
Spring 4B	—	09/25/2012	WG	pH	7.73	SU	CAWR-12-23444
Spring 4B	—	10/11/2017	WG	Specific Conductance	230.9	µS/cm	CAWR-18-147413
Spring 4B	—	10/12/2016	WG	Specific Conductance	240.6	µS/cm	CAWR-16-126332
Spring 4B	—	10/15/2015	WG	Specific Conductance	243	µS/cm	CAWR-16-104430
Spring 4B	—	09/30/2014	WG	Specific Conductance	237	µS/cm	CAWR-14-86900
Spring 4B	—	09/30/2014	WG	Specific Conductance	237	µS/cm	CAWR-14-86950
Spring 4B	—	09/25/2012	WG	Specific Conductance	234	µS/cm	CAWR-12-23444
Spring 4B	—	10/11/2017	WG	Temperature	15.2	deg C	CAWR-18-147413
Spring 4B	—	10/12/2016	WG	Temperature	18	deg C	CAWR-16-126332
Spring 4B	—	10/15/2015	WG	Temperature	17.57	deg C	CAWR-16-104430
Spring 4B	—	09/30/2014	WG	Temperature	17.65	deg C	CAWR-14-86900
Spring 4B	—	09/30/2014	WG	Temperature	17.65	deg C	CAWR-14-86950
Spring 4B	—	09/25/2012	WG	Temperature	16.95	deg C	CAWR-12-23444
Spring 4B	—	10/11/2017	WG	Turbidity	3.1	NTU	CAWR-18-147413
Spring 4B	—	10/12/2016	WG	Turbidity	3.8	NTU	CAWR-16-126332
Spring 4B	—	10/15/2015	WG	Turbidity	6.1	NTU	CAWR-16-104430
Spring 4B	—	09/30/2014	WG	Turbidity	1.1	NTU	CAWR-14-86900
Spring 4B	—	09/30/2014	WG	Turbidity	1.1	NTU	CAWR-14-86950

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 4B	—	09/25/2012	WG	Turbidity	1.56	NTU	CAWR-12-23444
Spring 5	—	10/11/2017	WG	Dissolved Oxygen	6.61	mg/L	CAWR-18-147414
Spring 5	—	10/12/2016	WG	Dissolved Oxygen	6.96	mg/L	CAWR-16-126333
Spring 5	—	10/07/2015	WG	Dissolved Oxygen	6.73	mg/L	CAWR-16-104431
Spring 5	—	09/30/2014	WG	Dissolved Oxygen	6.68	mg/L	CAWR-14-86901
Spring 5	—	12/03/2013	WG	Dissolved Oxygen	6.69	mg/L	CAWR-13-42153
Spring 5	—	10/11/2017	WG	Flow (in gpm)	5.94	gpm	CAWR-18-147414
Spring 5	—	10/12/2016	WG	Flow (in gpm)	9.4	gpm	CAWR-16-126333
Spring 5	—	10/07/2015	WG	Flow (in gpm)	4.8	gpm	CAWR-16-104431
Spring 5	—	09/30/2014	WG	Flow (in gpm)	5.8	gpm	CAWR-14-86901
Spring 5	—	09/28/2010	WG	Flow (in gpm)	0.26	gpm	CAWR-10-25339
Spring 5	—	10/11/2017	WG	pH	7.64	SU	CAWR-18-147414
Spring 5	—	10/12/2016	WG	pH	7.6	SU	CAWR-16-126333
Spring 5	—	10/07/2015	WG	pH	7.59	SU	CAWR-16-104431
Spring 5	—	09/30/2014	WG	pH	7.47	SU	CAWR-14-86901
Spring 5	—	12/03/2013	WG	pH	7.64	SU	CAWR-13-42153
Spring 5	—	10/11/2017	WG	Specific Conductance	180.7	µS/cm	CAWR-18-147414
Spring 5	—	10/12/2016	WG	Specific Conductance	188.3	µS/cm	CAWR-16-126333
Spring 5	—	10/07/2015	WG	Specific Conductance	186	µS/cm	CAWR-16-104431
Spring 5	—	09/30/2014	WG	Specific Conductance	184	µS/cm	CAWR-14-86901
Spring 5	—	12/03/2013	WG	Specific Conductance	181	µS/cm	CAWR-13-42153
Spring 5	—	10/11/2017	WG	Temperature	20.7	deg C	CAWR-18-147414
Spring 5	—	10/12/2016	WG	Temperature	21.1	deg C	CAWR-16-126333
Spring 5	—	10/07/2015	WG	Temperature	21.09	deg C	CAWR-16-104431
Spring 5	—	09/30/2014	WG	Temperature	20.55	deg C	CAWR-14-86901
Spring 5	—	12/03/2013	WG	Temperature	20.54	deg C	CAWR-13-42153
Spring 5	—	10/11/2017	WG	Turbidity	0.14	NTU	CAWR-18-147414
Spring 5	—	10/12/2016	WG	Turbidity	0.7	NTU	CAWR-16-126333
Spring 5	—	10/07/2015	WG	Turbidity	3.9	NTU	CAWR-16-104431

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 5	—	09/30/2014	WG	Turbidity	7.2	NTU	CAWR-14-86901
Spring 5	—	12/03/2013	WG	Turbidity	0.9	NTU	CAWR-13-42153
Spring 6	—	10/11/2017	WG	Dissolved Oxygen	6.57	mg/L	CAWR-18-147417
Spring 6	—	10/12/2016	WG	Dissolved Oxygen	6.67	mg/L	CAWR-16-126336
Spring 6	—	10/05/2015	WG	Dissolved Oxygen	6.71	mg/L	CAWR-16-104433
Spring 6	—	10/01/2014	WG	Dissolved Oxygen	7	mg/L	CAWR-14-86954
Spring 6	—	12/09/2013	WG	Dissolved Oxygen	7.3	mg/L	CAWR-13-42155
Spring 6	—	10/11/2017	WG	Flow (in gpm)	12	gpm	CAWR-18-147417
Spring 6	—	10/12/2016	WG	Flow (in gpm)	26	gpm	CAWR-16-126336
Spring 6	—	10/05/2015	WG	Flow (in gpm)	0.53	gpm	CAWR-16-104433
Spring 6	—	10/01/2014	WG	Flow (in gpm)	11.5	gpm	CAWR-14-86954
Spring 6	—	10/06/2011	WG	Flow (in gpm)	22.4	gpm	CAWR-11-28038
Spring 6	—	10/11/2017	WG	pH	7.75	SU	CAWR-18-147417
Spring 6	—	10/12/2016	WG	pH	7.42	SU	CAWR-16-126336
Spring 6	—	10/05/2015	WG	pH	7.45	SU	CAWR-16-104433
Spring 6	—	10/01/2014	WG	pH	8.04	SU	CAWR-14-86954
Spring 6	—	12/09/2013	WG	pH	7.83	SU	CAWR-13-42155
Spring 6	—	10/11/2017	WG	Specific Conductance	135.4	µS/cm	CAWR-18-147417
Spring 6	—	10/12/2016	WG	Specific Conductance	136	µS/cm	CAWR-16-126336
Spring 6	—	10/05/2015	WG	Specific Conductance	136	µS/cm	CAWR-16-104433
Spring 6	—	10/01/2014	WG	Specific Conductance	146	µS/cm	CAWR-14-86954
Spring 6	—	12/09/2013	WG	Specific Conductance	137	µS/cm	CAWR-13-42155
Spring 6	—	10/11/2017	WG	Temperature	20.9	deg C	CAWR-18-147417
Spring 6	—	10/12/2016	WG	Temperature	21.5	deg C	CAWR-16-126336
Spring 6	—	10/05/2015	WG	Temperature	20.46	deg C	CAWR-16-104433
Spring 6	—	10/01/2014	WG	Temperature	22.38	deg C	CAWR-14-86954
Spring 6	—	12/09/2013	WG	Temperature	19.12	deg C	CAWR-13-42155
Spring 6	—	10/11/2017	WG	Turbidity	0.2	NTU	CAWR-18-147417
Spring 6	—	10/12/2016	WG	Turbidity	0.2	NTU	CAWR-16-126336

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 6	—	10/05/2015	WG	Turbidity	4.7	NTU	CAWR-16-104433
Spring 6	—	10/01/2014	WG	Turbidity	2.3	NTU	CAWR-14-86954
Spring 6	—	12/09/2013	WG	Turbidity	3.3	NTU	CAWR-13-42155
Spring 6A	—	10/12/2017	WG	Dissolved Oxygen	5.84	mg/L	CAWR-18-147326
Spring 6A	—	10/01/2014	WG	Dissolved Oxygen	4.15	mg/L	CAWR-14-86955
Spring 6A	—	09/25/2012	WG	Dissolved Oxygen	5.21	mg/L	CAWR-12-23449
Spring 6A	—	09/28/2010	WG	Dissolved Oxygen	6.62	mg/L	CAWR-10-25382
Spring 6A	—	09/29/2009	WG	Dissolved Oxygen	6.1	mg/L	CAWR-09-12551
Spring 6A	—	10/12/2017	WG	Flow (in gpm)	3.21	gpm	CAWR-18-147326
Spring 6A	—	09/28/2010	WG	Flow (in gpm)	10.3	gpm	CAWR-10-25382
Spring 6A	—	09/29/2009	WG	Flow (in gpm)	2.6	gpm	CAWR-09-12551
Spring 6A	—	09/30/2008	WG	Flow (in gpm)	1.5	gpm	CAWR-08-15542
Spring 6A	—	10/12/2017	WG	pH	7.13	SU	CAWR-18-147326
Spring 6A	—	10/01/2014	WG	pH	7.32	SU	CAWR-14-86955
Spring 6A	—	09/25/2012	WG	pH	7.29	SU	CAWR-12-23449
Spring 6A	—	09/28/2010	WG	pH	6.92	SU	CAWR-10-25382
Spring 6A	—	09/29/2009	WG	pH	8.86	SU	CAWR-09-12551
Spring 6A	—	10/12/2017	WG	Specific Conductance	130.5	µS/cm	CAWR-18-147326
Spring 6A	—	10/01/2014	WG	Specific Conductance	140	µS/cm	CAWR-14-86955
Spring 6A	—	09/25/2012	WG	Specific Conductance	132	µS/cm	CAWR-12-23449
Spring 6A	—	09/28/2010	WG	Specific Conductance	136	µS/cm	CAWR-10-25382
Spring 6A	—	09/29/2009	WG	Specific Conductance	360	µS/cm	CAWR-09-12551
Spring 6A	—	10/12/2017	WG	Temperature	21.5	deg C	CAWR-18-147326
Spring 6A	—	10/01/2014	WG	Temperature	21.47	deg C	CAWR-14-86955
Spring 6A	—	09/25/2012	WG	Temperature	21.77	deg C	CAWR-12-23449
Spring 6A	—	09/28/2010	WG	Temperature	21.27	deg C	CAWR-10-25382
Spring 6A	—	09/29/2009	WG	Temperature	21.2	deg C	CAWR-09-12551
Spring 6A	—	10/12/2017	WG	Turbidity	8.6	NTU	CAWR-18-147326
Spring 6A	—	10/01/2014	WG	Turbidity	14	NTU	CAWR-14-86955

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 6A	—	09/25/2012	WG	Turbidity	4.52	NTU	CAWR-12-23449
Spring 6A	—	09/28/2010	WG	Turbidity	5.79	NTU	CAWR-10-25382
Spring 6A	—	09/29/2009	WG	Turbidity	1.23	NTU	CAWR-09-12551
Spring 8A	—	10/12/2017	WG	Dissolved Oxygen	7.78	mg/L	CAWR-18-147419
Spring 8A	—	10/13/2016	WG	Dissolved Oxygen	5.27	mg/L	CAWR-16-126338
Spring 8A	—	10/01/2014	WG	Dissolved Oxygen	7.7	mg/L	CAWR-14-86956
Spring 8A	—	09/25/2012	WG	Dissolved Oxygen	7.3	mg/L	CAWR-12-23450
Spring 8A	—	10/13/2011	WG	Dissolved Oxygen	6.61	mg/L	CAWR-11-28045
Spring 8A	—	10/12/2017	WG	Flow (in gpm)	1.96	gpm	CAWR-18-147419
Spring 8A	—	10/13/2016	WG	Flow (in gpm)	0.79	gpm	CAWR-16-126338
Spring 8A	—	10/01/2014	WG	Flow (in gpm)	3.2	gpm	CAWR-14-86956
Spring 8A	—	10/13/2011	WG	Flow (in gpm)	1.01	gpm	CAWR-11-28045
Spring 8A	—	09/28/2010	WG	Flow (in gpm)	0.29	gpm	CAWR-10-25392
Spring 8A	—	10/12/2017	WG	pH	7.97	SU	CAWR-18-147419
Spring 8A	—	10/13/2016	WG	pH	7.2	SU	CAWR-16-126338
Spring 8A	—	10/01/2014	WG	pH	7.34	SU	CAWR-14-86956
Spring 8A	—	09/25/2012	WG	pH	7.97	SU	CAWR-12-23450
Spring 8A	—	10/13/2011	WG	pH	7.66	SU	CAWR-11-28045
Spring 8A	—	10/12/2017	WG	Specific Conductance	152.8	µS/cm	CAWR-18-147419
Spring 8A	—	10/13/2016	WG	Specific Conductance	127.2	µS/cm	CAWR-16-126338
Spring 8A	—	10/01/2014	WG	Specific Conductance	130	µS/cm	CAWR-14-86956
Spring 8A	—	09/25/2012	WG	Specific Conductance	131	µS/cm	CAWR-12-23450
Spring 8A	—	10/13/2011	WG	Specific Conductance	121	µS/cm	CAWR-11-28045
Spring 8A	—	10/12/2017	WG	Temperature	17.1	deg C	CAWR-18-147419
Spring 8A	—	10/13/2016	WG	Temperature	22.2	deg C	CAWR-16-126338
Spring 8A	—	10/01/2014	WG	Temperature	20.3	deg C	CAWR-14-86956
Spring 8A	—	09/25/2012	WG	Temperature	20.21	deg C	CAWR-12-23450
Spring 8A	—	10/13/2011	WG	Temperature	20.07	deg C	CAWR-11-28045
Spring 8A	—	10/12/2017	WG	Turbidity	16.5	NTU	CAWR-18-147419

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 8A	—	10/13/2016	WG	Turbidity	1.1	NTU	CAWR-16-126338
Spring 8A	—	10/01/2014	WG	Turbidity	7.6	NTU	CAWR-14-86956
Spring 8A	—	09/25/2012	WG	Turbidity	1.45	NTU	CAWR-12-23450
Spring 8A	—	10/13/2011	WG	Turbidity	1.7	NTU	CAWR-11-28045
Spring 9	—	10/12/2017	WG	Dissolved Oxygen	6.7	mg/L	CAWR-18-147328
Spring 9	—	10/13/2016	WG	Dissolved Oxygen	6.81	mg/L	CAWR-16-126339
Spring 9	—	10/06/2015	WG	Dissolved Oxygen	7.3	mg/L	CAWR-16-104434
Spring 9	—	10/01/2014	WG	Dissolved Oxygen	6.95	mg/L	CAWR-14-86957
Spring 9	—	12/16/2013	WG	Dissolved Oxygen	7.03	mg/L	CAWR-13-42156
Spring 9	—	10/12/2017	WG	Flow (in gpm)	0.82	gpm	CAWR-18-147328
Spring 9	—	10/13/2016	WG	Flow (in gpm)	0.3	gpm	CAWR-16-126339
Spring 9	—	10/06/2015	WG	Flow (in gpm)	0.3	gpm	CAWR-16-104434
Spring 9	—	10/01/2014	WG	Flow (in gpm)	70.27	gpm	CAWR-14-86957
Spring 9	—	09/29/2010	WG	Flow (in gpm)	0.45	gpm	CAWR-10-25395
Spring 9	—	10/12/2017	WG	pH	7.21	SU	CAWR-18-147328
Spring 9	—	10/13/2016	WG	pH	7.2	SU	CAWR-16-126339
Spring 9	—	10/06/2015	WG	pH	7.63	SU	CAWR-16-104434
Spring 9	—	10/01/2014	WG	pH	7.65	SU	CAWR-14-86957
Spring 9	—	12/16/2013	WG	pH	7.31	SU	CAWR-13-42156
Spring 9	—	10/12/2017	WG	Specific Conductance	130.7	µS/cm	CAWR-18-147328
Spring 9	—	10/13/2016	WG	Specific Conductance	135.9	µS/cm	CAWR-16-126339
Spring 9	—	10/06/2015	WG	Specific Conductance	131	µS/cm	CAWR-16-104434
Spring 9	—	10/01/2014	WG	Specific Conductance	137	µS/cm	CAWR-14-86957
Spring 9	—	12/16/2013	WG	Specific Conductance	127	µS/cm	CAWR-13-42156
Spring 9	—	10/12/2017	WG	Temperature	21.1	deg C	CAWR-18-147328
Spring 9	—	10/13/2016	WG	Temperature	21.1	deg C	CAWR-16-126339
Spring 9	—	10/06/2015	WG	Temperature	21.08	deg C	CAWR-16-104434
Spring 9	—	10/01/2014	WG	Temperature	21.47	deg C	CAWR-14-86957
Spring 9	—	12/16/2013	WG	Temperature	19.37	deg C	CAWR-13-42156

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 9	—	10/12/2017	WG	Turbidity	0.2	NTU	CAWR-18-147328
Spring 9	—	10/13/2016	WG	Turbidity	1.9	NTU	CAWR-16-126339
Spring 9	—	10/06/2015	WG	Turbidity	5.6	NTU	CAWR-16-104434
Spring 9	—	10/01/2014	WG	Turbidity	17.4	NTU	CAWR-14-86957
Spring 9	—	12/16/2013	WG	Turbidity	1.3	NTU	CAWR-13-42156
Spring 9A	—	10/12/2017	WG	Dissolved Oxygen	7.04	mg/L	CAWR-18-147329
Spring 9A	—	10/13/2016	WG	Dissolved Oxygen	5.36	mg/L	CAWR-16-126340
Spring 9A	—	10/06/2015	WG	Dissolved Oxygen	5.14	mg/L	CAWR-16-104435
Spring 9A	—	10/01/2014	WG	Dissolved Oxygen	4.83	mg/L	CAWR-14-86958
Spring 9A	—	12/16/2013	WG	Dissolved Oxygen	5.99	mg/L	CAWR-13-42157
Spring 9A	—	10/12/2017	WG	Flow (in gpm)	1.1	gpm	CAWR-18-147329
Spring 9A	—	10/13/2016	WG	Flow (in gpm)	7.6	gpm	CAWR-16-126340
Spring 9A	—	10/06/2015	WG	Flow (in gpm)	2.5	gpm	CAWR-16-104435
Spring 9A	—	10/01/2014	WG	Flow (in gpm)	5.8	gpm	CAWR-14-86958
Spring 9A	—	09/28/2010	WG	Flow (in gpm)	1.6	gpm	CAWR-10-25398
Spring 9A	—	10/12/2017	WG	pH	8.48	SU	CAWR-18-147329
Spring 9A	—	10/13/2016	WG	pH	7.2	SU	CAWR-16-126340
Spring 9A	—	10/06/2015	WG	pH	7.26	SU	CAWR-16-104435
Spring 9A	—	10/01/2014	WG	pH	7.08	SU	CAWR-14-86958
Spring 9A	—	12/16/2013	WG	pH	7.35	SU	CAWR-13-42157
Spring 9A	—	10/12/2017	WG	Specific Conductance	128.8	µS/cm	CAWR-18-147329
Spring 9A	—	10/13/2016	WG	Specific Conductance	127	µS/cm	CAWR-16-126340
Spring 9A	—	10/06/2015	WG	Specific Conductance	130	µS/cm	CAWR-16-104435
Spring 9A	—	10/01/2014	WG	Specific Conductance	128	µS/cm	CAWR-14-86958
Spring 9A	—	12/16/2013	WG	Specific Conductance	125	µS/cm	CAWR-13-42157
Spring 9A	—	10/12/2017	WG	Temperature	20.9	deg C	CAWR-18-147329
Spring 9A	—	10/13/2016	WG	Temperature	21	deg C	CAWR-16-126340
Spring 9A	—	10/06/2015	WG	Temperature	20.36	deg C	CAWR-16-104435
Spring 9A	—	10/01/2014	WG	Temperature	20.48	deg C	CAWR-14-86958

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Spring 9A	—	12/16/2013	WG	Temperature	19.08	deg C	CAWR-13-42157
Spring 9A	—	10/12/2017	WG	Turbidity	0.5	NTU	CAWR-18-147329
Spring 9A	—	10/13/2016	WG	Turbidity	0.1	NTU	CAWR-16-126340
Spring 9A	—	10/06/2015	WG	Turbidity	3.6	NTU	CAWR-16-104435
Spring 9A	—	10/01/2014	WG	Turbidity	0.7	NTU	CAWR-14-86958
Spring 9A	—	12/16/2013	WG	Turbidity	0.7	NTU	CAWR-13-42157
Starmer Spring	—	04/18/2018	WG	Dissolved Oxygen	8.25	mg/L	CAPA-18-152852
Starmer Spring	—	08/10/2010	WG	Dissolved Oxygen	8.26	mg/L	CAPA-10-24018
Starmer Spring	—	03/05/2009	WG	Dissolved Oxygen	8.36	mg/L	CAPA-09-4078
Starmer Spring	—	12/04/2008	WG	Dissolved Oxygen	6.5	mg/L	CAPA-09-1096
Starmer Spring	—	09/11/2008	WG	Dissolved Oxygen	9.17	mg/L	CAPA-08-14912
Starmer Spring	—	04/18/2018	WG	Flow (in gpm)	1.74	gpm	CAPA-18-152852
Starmer Spring	—	08/10/2010	WG	Flow (in gpm)	2	gpm	CAPA-10-24018
Starmer Spring	—	03/05/2009	WG	Flow (in gpm)	1.5	gpm	CAPA-09-4078
Starmer Spring	—	12/04/2008	WG	Flow (in gpm)	5	gpm	CAPA-09-1096
Starmer Spring	—	09/11/2008	WG	Flow (in gpm)	0.5	gpm	CAPA-08-14912
Starmer Spring	—	04/18/2018	WG	pH	7.02	SU	CAPA-18-152852
Starmer Spring	—	08/10/2010	WG	pH	6.41	SU	CAPA-10-24018
Starmer Spring	—	03/05/2009	WG	pH	6.26	SU	CAPA-09-4078
Starmer Spring	—	12/04/2008	WG	pH	6.56	SU	CAPA-09-1096
Starmer Spring	—	09/11/2008	WG	pH	6.21	SU	CAPA-08-14912
Starmer Spring	—	04/18/2018	WG	Specific Conductance	151.7	µS/cm	CAPA-18-152852
Starmer Spring	—	08/10/2010	WG	Specific Conductance	172	µS/cm	CAPA-10-24018
Starmer Spring	—	03/05/2009	WG	Specific Conductance	135	µS/cm	CAPA-09-4078
Starmer Spring	—	12/04/2008	WG	Specific Conductance	163	µS/cm	CAPA-09-1096
Starmer Spring	—	09/11/2008	WG	Specific Conductance	387	µS/cm	CAPA-08-14912
Starmer Spring	—	04/18/2018	WG	Temperature	10	deg C	CAPA-18-152852
Starmer Spring	—	08/10/2010	WG	Temperature	9.17	deg C	CAPA-10-24018
Starmer Spring	—	03/05/2009	WG	Temperature	8.22	deg C	CAPA-09-4078

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Starmer Spring	—	12/04/2008	WG	Temperature	7.96	deg C	CAPA-09-1096
Starmer Spring	—	09/11/2008	WG	Temperature	10	deg C	CAPA-08-14912
Starmer Spring	—	04/18/2018	WG	Turbidity	2	NTU	CAPA-18-152852
Starmer Spring	—	08/10/2010	WG	Turbidity	20.5	NTU	CAPA-10-24018
Starmer Spring	—	03/05/2009	WG	Turbidity	26.6	NTU	CAPA-09-4078
Starmer Spring	—	12/04/2008	WG	Turbidity	6.39	NTU	CAPA-09-1096
Starmer Spring	—	09/11/2008	WG	Turbidity	11.4	NTU	CAPA-08-14912
Upper La Mesita	—	10/04/2017	WG	Dissolved Oxygen	5.31	mg/L	CAWR-18-147344
Upper La Mesita	—	10/04/2017	WG	pH	7.59	SU	CAWR-18-147344
Upper La Mesita	—	10/04/2017	WG	Specific Conductance	327.1	µS/cm	CAWR-18-147344
Upper La Mesita	—	10/04/2017	WG	Temperature	16.5	deg C	CAWR-18-147344
Upper La Mesita	—	10/04/2017	WG	Turbidity	5.7	NTU	CAWR-18-147344
Vine Tree Spring	—	12/12/2017	WG	Dissolved Oxygen	8.4	mg/L	CALA-18-148968
Vine Tree Spring	—	06/13/2017	WG	Dissolved Oxygen	7.44	mg/L	CALA-17-139172
Vine Tree Spring	—	01/12/2017	WG	Dissolved Oxygen	7.64	mg/L	CALA-17-127819
Vine Tree Spring	—	06/16/2016	WG	Dissolved Oxygen	7.66	mg/L	CALA-16-116845
Vine Tree Spring	—	12/08/2015	WG	Dissolved Oxygen	7.32	mg/L	CALA-16-106806
Vine Tree Spring	—	06/19/2018	WG	Flow (in gpm)	5.83	gpm	CALA-18-180
Vine Tree Spring	—	12/12/2017	WG	Flow (in gpm)	4.38	gpm	CALA-18-148968
Vine Tree Spring	—	06/13/2017	WG	Flow (in gpm)	5.3	gpm	CALA-17-139172
Vine Tree Spring	—	01/12/2017	WG	Flow (in gpm)	6.34	gpm	CALA-17-127819
Vine Tree Spring	—	06/16/2016	WG	Flow (in gpm)	4.76	gpm	CALA-16-116845
Vine Tree Spring	—	12/08/2015	WG	Flow (in gpm)	5.83	gpm	CALA-16-106806
Vine Tree Spring	—	12/12/2017	WG	pH	7.98	SU	CALA-18-148968
Vine Tree Spring	—	06/13/2017	WG	pH	8	SU	CALA-17-139172
Vine Tree Spring	—	01/12/2017	WG	pH	7.84	SU	CALA-17-127819
Vine Tree Spring	—	06/16/2016	WG	pH	7.66	SU	CALA-16-116845
Vine Tree Spring	—	12/08/2015	WG	pH	7.12	SU	CALA-16-106806
Vine Tree Spring	—	12/12/2017	WG	Specific Conductance	295.1	µS/cm	CALA-18-148968

Location	Depth (ft)	Date	Matrix	Analyte	Result	Unit	Sample
Vine Tree Spring	—	06/13/2017	WG	Specific Conductance	307.3	µS/cm	CALA-17-139172
Vine Tree Spring	—	01/12/2017	WG	Specific Conductance	295.8	µS/cm	CALA-17-127819
Vine Tree Spring	—	06/16/2016	WG	Specific Conductance	330.5	µS/cm	CALA-16-116845
Vine Tree Spring	—	12/08/2015	WG	Specific Conductance	304	µS/cm	CALA-16-106806
Vine Tree Spring	—	12/12/2017	WG	Temperature	11.6	deg C	CALA-18-148968
Vine Tree Spring	—	06/13/2017	WG	Temperature	14.7	deg C	CALA-17-139172
Vine Tree Spring	—	01/12/2017	WG	Temperature	12.6	deg C	CALA-17-127819
Vine Tree Spring	—	06/16/2016	WG	Temperature	14.9	deg C	CALA-16-116845
Vine Tree Spring	—	12/08/2015	WG	Temperature	12.71	deg C	CALA-16-106806
Vine Tree Spring	—	12/12/2017	WG	Turbidity	0.1	NTU	CALA-18-148968
Vine Tree Spring	—	06/13/2017	WG	Turbidity	1.1	NTU	CALA-17-139172
Vine Tree Spring	—	01/12/2017	WG	Turbidity	1.3	NTU	CALA-17-127819
Vine Tree Spring	—	06/16/2016	WG	Turbidity	1.09	NTU	CALA-16-116845
Vine Tree Spring	—	12/08/2015	WG	Turbidity	2.2	NTU	CALA-16-106806

[a] WG = Groundwater.

[b] gpm = Gallons per minute.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

[e] — = Not applicable.

[f] WS = Base flow surface water.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent relative standard deviation
<	Based on qualifiers, the result was a nondetection.
—	none
4,4'-DDD	4,4'-dichlorodiphenyldichloroethane
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
BHC	benzene hexachloride
CB	chlorinated biphenyl
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	Contract Laboratory Program
CRDL	contract-required detection limit
CRI	CDRL check standard
DCG	Derived Concentration Guide (DOE)
DDE	dichlorodiphenyldichloroethylene
DNX	dinitroso-RDX
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
MS	matrix spike
MSD	matrix spike duplicate
NM	New Mexico
NMED	New Mexico Environment 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	Royal Demolition Explosive
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	trinitroso-RDX
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
PEB	performance evaluation blank
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, Division of the GEL Group, Inc., Charleston SC
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
GEL	General Engineering Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC (used in Environmental Information Management data base)
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.
JQ	See J code and see Q 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)

Code	Description
UH*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. * (Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
UI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits.
UN*	EPA flag (Inorganic)—See U code, see N code, and see * code.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
X	Consult case narrative, data summary package, or project manager concerning the qualifier.

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 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
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.84	—	—	0.01	SU	Y	H	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.84	—	—	0.01	SU	Y	H	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.22	—	—	0.01	SU	Y	H	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.67	—	—	0.01	SU	Y	H	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.1	—	—	0.01	SU	Y	H	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.48	—	—	0.01	SU	Y	H	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	1.45	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	124	—	—	1.45	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	36.6	—	—	1.45	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81	—	—	1.45	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	0.725	mg/L	Y	—	J-	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84	—	—	0.725	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	178	—	—	68	µg/L	Y	J	J	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	226	—	—	68	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	293	—	—	68	µg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	658	—	—	68	µg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	248	—	—	68	µg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	1150	—	—	68	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00537	0.00537	0.0502	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00372	0.00589	0.0465	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00443	0.00626	0.0414	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00454	0.012	0.116	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00747	0.00747	0.0724	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0597	—	—	0.017	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.075	—	—	0.017	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.17	—	—	0.017	mg/L	Y	—	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0363	—	—	0.017	mg/L	Y	J	U	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0512	—	—	0.017	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.162	—	—	0.017	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	133	—	—	1	µg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	127	—	—	1	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	193	—	—	1	µg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	112	—	—	1	µg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	232	—	—	1	µg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	118	—	—	1	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.5	—	—	15	µg/L	Y	J	J	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.9	—	—	15	µg/L	Y	J	J	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.1	—	—	15	µg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37	—	—	15	µg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	33.1	—	—	15	µg/L	Y	J	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	42.1	—	—	15	µg/L	Y	J	J	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.167	—	—	0.067	mg/L	Y	J	J	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.146	—	—	0.067	mg/L	Y	J	J	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	10	—	—	3.35	mg/L	Y	U	U	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.114	—	—	0.067	mg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.191	—	—	0.067	mg/L	Y	J	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.11	—	—	0.067	mg/L	Y	J	J	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	40.1	—	—	0.05	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	33	—	—	0.05	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	41	—	—	0.05	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	31	—	—	0.05	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	62.3	—	—	0.05	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL

Table C-1 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
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.3	—	—	0.05	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.209	1.34	5.06	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.466	0.849	3.1	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	1.33	5.05	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.32	1.48	5.46	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.75	1.5	5.98	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	98.7	—	—	1.34	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	89.5	—	—	1.34	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	249	—	—	3.35	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	81.4	—	—	1.34	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	196	—	—	3.35	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	73.4	—	—	1.34	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.7	—	—	0.3	µg/L	Y	J	J	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.39	—	—	0.3	µg/L	Y	J	J	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.53	—	—	0.3	µg/L	Y	J	J	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.73	—	—	0.3	µg/L	Y	J	J	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.45	—	—	0.3	µg/L	Y	HJ	J-	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.13	1.15	5.29	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0668	0.798	2.81	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.145	1.23	4	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.32	1.58	6.82	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.157	1.61	6.23	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.66	—	—	3	µg/L	Y	J	J	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	4.12	—	—	3	µg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	6.09	—	—	3	µg/L	Y	J	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.61	—	—	3	µg/L	Y	J	J	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	Y	0.47	—	—	0.3	µg/L	Y	J	J	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	10	—	—	3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	U	U	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	5	—	—	1.5	µg/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	5.05	—	—	1.52	µg/L	Y	U	U	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	UH	UJ	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.27	—	—	0.3	µg/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.73	—	—	0.3	µg/L	Y	—	NQ	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.16	—	—	0.3	µg/L	Y	—	NQ	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.68	—	—	0.3	µg/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.5	—	—	0.3	µg/L	Y	H	J-	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.27	—	—	0.3	µg/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	1.83	—	—	0.3	µg/L	Y	—	NQ	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.03	—	—	0.3	µg/L	Y	—	NQ	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.17	—	—	0.3	µg/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.08	—	—	0.3	µg/L	Y	H	J-	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	45	—	—	3	µg/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	47	—	—	3.16	µg/L	Y	—	NQ	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	13	—	—	3	µg/L	Y	—	NQ	2017-1364	CAPA-17-130551	GEL

Table C-1 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
03-B-13	21.5	04/04/2016	WG	UF	DL	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	327	—	—	15	µg/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	DL	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	56.3	—	—	7.58	µg/L	Y	—	NQ	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/17/2015	WG	UF	DL	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	Y	232	—	—	12.8	µg/L	Y	—	NQ	2015-1068	CAPA-15-93432	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.177	—	—	0.033	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.149	—	—	0.033	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	N	5	—	—	1.65	mg/L	Y	U	U	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.111	—	—	0.033	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.116	—	—	0.033	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.108	—	—	0.033	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.539	0.507	1.73	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.576	1.04	3.62	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.13	1.03	2.95	—	pCi/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.18	0.382	0.943	—	pCi/L	Y	—	NQ	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.79	0.788	1.87	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.14	0.44	1	—	pCi/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.35	0.691	1.9	—	pCi/L	Y	—	NQ	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	15	0.815	1.94	—	pCi/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.86	0.513	1.54	—	pCi/L	Y	—	NQ	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.71	1.11	2.97	—	pCi/L	Y	—	NQ	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	142	—	—	0.453	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	114	—	—	0.453	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	136	—	—	0.453	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	104	—	—	0.453	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	216	—	—	0.453	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	97.5	—	—	0.453	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	128	—	—	30	µg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	142	—	—	30	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	185	—	—	30	µg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	313	—	—	30	µg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	591	—	—	30	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	10.3	—	—	0.11	mg/L	Y	N	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.62	—	—	0.11	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.17	—	—	0.11	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.41	—	—	0.11	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	14.6	—	—	0.11	mg/L	Y	E	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.51	—	—	0.11	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	12.1	—	—	2	µg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	132	—	—	2	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.69	—	—	2	µg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.14	—	—	2	µg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	25.4	—	—	2	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.2	µg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.86	—	—	0.2	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.386	—	—	0.2	µg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.682	—	—	0.3	µg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.891	—	—	0.165	µg/L	Y	—	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.893	—	—	0.165	µg/L	Y	—	U	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.248	2.4	9.09	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.393	1.93	6.59	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.21	2.51	8.98	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL

Table C-1 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
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.921	3.11	11.2	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0677	2.97	10.5	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.73	—	—	0.6	µg/L	Y	J	J	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.28	—	—	0.6	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.53	—	—	0.6	µg/L	Y	J	U	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.49	—	—	0.5	µg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.21	—	—	0.5	µg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.2	—	—	0.5	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.96	—	—	0.17	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.66	—	—	0.085	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.79	—	—	0.085	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.42	—	—	0.085	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.61	—	—	0.085	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	—	0.017	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.111	—	—	0.05	µg/L	Y	J	J	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0512	—	—	0.05	µg/L	Y	J	J	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.146	—	—	0.05	µg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.115	—	—	0.05	µg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.57	—	—	0.05	µg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0739	—	—	0.05	µg/L	Y	J	J	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00343	0.0171	0.0727	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00414	0.00828	0.0375	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.01	0.00708	0.0481	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00472	0.0106	0.0558	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00476	0.05	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00686	0.0097	0.0784	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0103	0.00621	0.0409	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0175	0.0103	0.0455	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00472	0.0125	0.0835	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00672	0.0602	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.64	—	—	0.05	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.38	—	—	0.05	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.32	—	—	0.05	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.28	—	—	0.05	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.82	—	—	0.05	mg/L	Y	E	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.15	—	—	0.05	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	64.9	20.2	63.6	—	pCi/L	Y	UI	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.1	16	49.6	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.2	17.7	57.2	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.5	20.9	56.6	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.9	19.4	71.8	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	18.3	—	—	0.053	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	18.5	—	—	0.053	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	12.5	—	—	0.053	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	16.6	—	—	0.265	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	11.1	—	—	0.053	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	19.2	—	—	0.053	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	61.7	—	—	0.1	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	61.3	—	—	0.1	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	107	—	—	0.1	mg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	49.4	—	—	0.1	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	76.1	—	—	0.1	mg/L	Y	E	NQ	2016-985	CAPA-16-114738	GEL

Table C-1 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
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	48.9	—	—	0.1	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.661	1.31	5.55	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.518	0.824	2.94	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.849	1.31	4.67	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.17	1.57	5.7	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.899	1.63	6.55	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	606	—	—	1	uS/cm	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	696	—	—	1	uS/cm	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1110	—	—	1	uS/cm	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	465	—	—	1	uS/cm	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1040	—	—	3.63	uS/cm	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	499	—	—	1	uS/cm	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	232	—	—	1	µg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	241	—	—	1	µg/L	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	171	—	—	1	µg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	356	—	—	1	µg/L	Y	E	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	165	—	—	1	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.45	0.159	0.481	—	pCi/L	Y	U	U	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.273	0.152	0.497	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.836	0.179	0.465	—	pCi/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.24	0.145	0.481	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.275	0.151	0.494	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10	—	—	0.133	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.34	—	—	0.133	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.6	—	—	6.65	mg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	19.6	—	—	0.133	mg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.11	—	—	0.133	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	7.15	—	—	2.5	µg/L	Y	J	J	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.35	—	—	2.5	µg/L	Y	J	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	316	—	—	3.4	mg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	581	—	—	3.4	mg/L	Y	—	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	273	—	—	3.4	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	451	—	—	3.4	mg/L	Y	—	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	303	—	—	3.4	mg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.281	—	—	0.033	mg/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.302	—	—	0.033	mg/L	Y	—	U	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0419	—	—	0.033	mg/L	Y	J	J	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.323	—	—	0.033	mg/L	Y	—	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	5.41	—	—	0.33	mg/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL

Table C-1 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
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.8	—	—	0.33	mg/L	Y	—	NQ	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.94	—	—	0.33	mg/L	Y	—	NQ	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	5.84	—	—	0.33	mg/L	Y	—	NQ	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	6.22	—	—	0.33	mg/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	5.62	—	—	0.33	mg/L	Y	—	NQ	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0728	—	—	0.02	mg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0737	—	—	0.02	mg/L	Y	—	U	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0553	—	—	0.02	mg/L	Y	—	NQ	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0239	—	—	0.017	mg/L	Y	J	J	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	71	—	—	0.3	µg/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	41.4	—	—	0.3	µg/L	Y	—	NQ	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	70.7	—	—	0.3	µg/L	Y	—	NQ	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	92.4	—	—	0.3	µg/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	74.6	—	—	0.3	µg/L	Y	H	J-	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	Y	0.31	—	—	0.3	µg/L	Y	J	J	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	1	—	—	0.3	µg/L	Y	U	U	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	Y	0.4	—	—	0.3	µg/L	Y	J	J	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	1	—	—	0.3	µg/L	Y	UH	UJ	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.67	—	—	0.3	µg/L	Y	J	J	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	11/01/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.51	—	—	0.3	µg/L	Y	J	J	2018-677	CAPA-18-147689	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	1	—	—	0.3	µg/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	11/01/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.63	—	—	0.3	µg/L	Y	J	J	2017-313	CAPA-16-126627	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.01	—	—	0.3	µg/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	10/19/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	0.57	—	—	0.3	µg/L	Y	HJ	J-	2016-81	CAPA-16-105569	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.985	—	—	0.067	µg/L	Y	—	NQ	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.719	—	—	0.067	µg/L	Y	—	NQ	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.097	—	—	0.067	µg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.183	—	—	0.067	µg/L	Y	J	J	2017-313	CAPA-16-126655	GEL
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.642	—	—	0.067	µg/L	Y	—	NQ	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.316	—	—	0.067	µg/L	Y	—	NQ	2016-81	CAPA-16-105597	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.529	0.0397	0.105	—	pCi/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.111	0.0173	0.0749	—	pCi/L	Y	—	NQ	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.262	0.0245	0.0808	—	pCi/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0734	0.0267	0.117	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.127	0.0236	0.0856	—	pCi/L	Y	—	NQ	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0887	0.0184	0.0497	—	pCi/L	Y	—	J	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0352	0.0132	0.0618	—	pCi/L	Y	U	U	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0531	0.0126	0.0553	—	pCi/L	Y	U	U	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00648	0.0112	0.113	—	pCi/L	Y	U	U	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00923	0.013	0.0397	—	pCi/L	Y	U	U	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.342	0.0318	0.0642	—	pCi/L	Y	—	NQ	2018-2375	CAPA-18-152859	GEL
03-B-13	21.5	04/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.114	0.019	0.0609	—	pCi/L	Y	—	NQ	2017-1364	CAPA-17-130551	GEL
03-B-13	21.5	04/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.0204	0.0526	—	pCi/L	Y	—	NQ	2016-985	CAPA-16-114704	GEL
03-B-13	21.5	04/14/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.131	0.0292	0.0777	—	pCi/L	Y	—	J	2014-3209	CAPA-14-56383	GEL
03-B-13	21.5	04/23/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0597	0.0197	0.0517	—	pCi/L	Y	—	NQ	2013-760	CAPA-13-29662	GEL
03-B-13	21.5	04/10/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.79	—	—	3.3	µg/L	Y	J	J	2018-2375	CAPA-18-152858	GEL
03-B-13	21.5	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.01	—	—	3.3	µg/L	Y	J	J	2018-677	CAPA-18-147687	GEL
03-B-13	21.5	04/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.44	—	—	3.3	µg/L	Y	J	J	2017-1364	CAPA-17-130542	GEL
03-B-13	21.5	11/01/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-313	CAPA-16-126655	GEL

Table C-1 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
03-B-13	21.5	04/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-985	CAPA-16-114738	GEL
03-B-13	21.5	10/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.42	—	—	3.3	µg/L	Y	J	J	2016-81	CAPA-16-105597	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.04	—	—	0.01	SU	Y	H	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	0.01	SU	Y	H	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.41	—	—	0.01	SU	Y	H	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	—	0.01	SU	Y	H	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.4	—	—	1.45	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	126	—	—	1.45	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.3	—	—	0.725	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.8	—	—	0.725	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.7	—	—	0.725	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00258	0.00576	0.0482	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00484	0.0128	0.121	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00563	0.0103	0.0407	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00519	0.00635	0.0398	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0143	0.00855	0.0439	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.49	—	—	2	µg/L	Y	J	J	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	2	µg/L	Y	U	U	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	673	—	—	1	µg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	847	—	—	1	µg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	389	—	—	1	µg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	462	—	—	1	µg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	441	—	—	1	µg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.801	—	—	0.067	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.153	—	—	0.067	mg/L	Y	J	J	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	—	—	0.134	mg/L	Y	J	J	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.193	—	—	0.067	mg/L	Y	J	J	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.137	—	—	0.067	mg/L	Y	J	J	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	94.1	—	—	0.05	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	128	—	—	0.05	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	61.2	—	—	0.05	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	66.1	—	—	0.05	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	65	—	—	0.05	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.44	1.37	4.17	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.08	1.34	4.88	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.69	1.61	4.89	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-4.58	1.78	5.21	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.89	1.49	5.05	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	399	—	—	6.7	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	539	—	—	6.7	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	267	—	—	3.35	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	317	—	—	6.7	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	300	—	—	3.35	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.366	1.3	4.7	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.06	1.01	3.64	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.25	1.23	4.4	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.71	2.15	7.46	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.862	1.32	5.75	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL

Table C-1 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
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.114	—	—	0.033	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.118	—	—	0.033	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0885	—	—	0.033	mg/L	Y	J	J	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0815	—	—	0.033	mg/L	Y	J	J	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0578	—	—	0.033	mg/L	Y	J	J	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.07	1.6	5.37	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.118	2.5	8.85	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.02	0.969	2.95	—	pCi/L	Y	—	NQ	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.39	0.956	3.19	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	21.2	2.06	4.23	—	pCi/L	Y	—	NQ	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11	1.15	3.35	—	pCi/L	Y	—	NQ	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	16.3	1.69	4.91	—	pCi/L	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.57	1.11	2.95	—	pCi/L	Y	—	NQ	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	16.1	1.24	3.42	—	pCi/L	Y	—	J	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	19.6	1.64	4.75	—	pCi/L	Y	—	NQ	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	352	—	—	0.453	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	468	—	—	0.453	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	225	—	—	0.453	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	247	—	—	0.453	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	244	—	—	0.453	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	28.3	—	—	0.11	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	36.4	—	—	0.11	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	17.6	—	—	0.11	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	19.9	—	—	0.11	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	19.8	—	—	0.11	mg/L	Y	N	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.05	—	—	0.2	µg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.7	—	—	0.2	µg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.834	—	—	0.165	µg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.01	2.18	8.46	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.14	2.49	8.03	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.37	2.55	8.87	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.19	4.03	13.9	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.56	3.09	11.6	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.74	—	—	0.6	µg/L	Y	J	J	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.43	—	—	0.6	µg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.48	—	—	0.5	µg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.858	—	—	0.5	µg/L	Y	J	J	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.75	—	—	0.5	µg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.33	—	—	0.085	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.71	—	—	0.17	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.79	—	—	0.17	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.28	—	—	0.17	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.99	—	—	0.17	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.262	—	—	0.05	µg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.217	—	—	0.05	µg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.19	—	—	0.05	µg/L	Y	J	J	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.224	—	—	0.05	µg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.321	—	—	0.05	µg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0108	0.115	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0055	0.014	0.0498	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL

Table C-1 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
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0153	0.00955	0.049	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00378	0.0304	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00212	0.00561	0.0251	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0108	0.0132	0.124	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0123	0.0543	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00765	0.00846	0.0463	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00566	0.00731	0.0459	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00848	0.00794	0.0375	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.17	—	—	0.05	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.48	—	—	0.05	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.48	—	—	0.05	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.4	17.3	46.5	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.33	17.6	67.4	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	61.8	21.1	53.4	—	pCi/L	Y	UI	R	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.8	19	79.4	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	33.5	17.6	70	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	36.3	—	—	0.053	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31.1	—	—	0.053	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	30.1	—	—	0.053	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	30.3	—	—	0.053	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	35.6	—	—	0.053	mg/L	Y	N	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	153	—	—	0.1	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	199	—	—	0.1	mg/L	Y	—	J+	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	121	—	—	0.1	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	137	—	—	0.1	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	125	—	—	0.1	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.63	1	3.26	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.453	0.887	3.53	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.79	1.83	6.07	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.58	1.9	6.31	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.613	1.96	6.62	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1630	—	—	1	uS/cm	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	2620	—	—	1	uS/cm	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1330	—	—	3.63	uS/cm	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1280	—	—	3.63	uS/cm	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1190	—	—	1	uS/cm	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	721	—	—	1	µg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	938	—	—	1	µg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	441	—	—	1	µg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	511	—	—	1	µg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	480	—	—	1	µg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0133	0.0444	0.154	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0571	0.0917	0.337	—	pCi/L	Y	U	U	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.353	0.123	0.486	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.134	0.137	0.468	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.307	0.121	0.486	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.82	—	—	0.266	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.2	—	—	13.3	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.2	—	—	0.266	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	32	—	—	0.266	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL

Table C-1 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
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	29.4	—	—	6.65	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	1010	—	—	3.4	mg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	1470	—	—	3.4	mg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	813	—	—	3.4	mg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	784	—	—	3.4	mg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	777	—	—	3.4	mg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.127	—	—	0.033	mg/L	Y	—	NQ	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.135	—	—	0.033	mg/L	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.202	—	—	0.033	mg/L	Y	—	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0691	—	—	0.033	mg/L	Y	J	J	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.19	—	—	0.033	mg/L	Y	—	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.09	—	—	0.33	mg/L	Y	—	NQ	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.34	—	—	0.33	mg/L	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.62	—	—	0.33	mg/L	Y	—	NQ	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.55	—	—	0.33	mg/L	Y	—	J-	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	J	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.527	—	—	0.067	µg/L	Y	—	NQ	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.49	—	—	0.067	µg/L	Y	—	NQ	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.586	—	—	0.067	µg/L	Y	—	NQ	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.298	—	—	0.067	µg/L	Y	—	NQ	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.266	—	—	0.067	µg/L	Y	—	NQ	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.457	0.0602	0.238	—	pCi/L	Y	—	NQ	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	2.61	0.0741	0.0599	—	pCi/L	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.423	0.0357	0.106	—	pCi/L	Y	—	NQ	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.17	0.0201	0.0462	—	pCi/L	Y	—	NQ	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.397	0.0319	0.0487	—	pCi/L	Y	—	NQ	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0321	0.0215	0.115	—	pCi/L	Y	U	U	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.107	0.0173	0.0495	—	pCi/L	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0329	0.0123	0.0727	—	pCi/L	Y	U	U	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00501	0.00867	0.0296	—	pCi/L	Y	U	U	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0269	0.0108	0.0348	—	pCi/L	Y	U	U	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.178	0.0384	0.147	—	pCi/L	Y	—	J	2018-2400	CAPA-18-152855	GEL
18-MW-18	12.5	04/06/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.41	0.0545	0.0487	—	pCi/L	Y	—	NQ	2017-1331	CAPA-17-130552	GEL
18-MW-18	12.5	04/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.165	0.0232	0.069	—	pCi/L	Y	—	J	2016-1017	CAPA-16-114705	GEL
18-MW-18	12.5	04/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0871	0.0147	0.039	—	pCi/L	Y	—	NQ	2015-1082	CAPA-15-93433	GEL
18-MW-18	12.5	04/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.281	0.0263	0.0404	—	pCi/L	Y	—	J	2014-3244	CAPA-14-56384	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.03	—	—	1	µg/L	Y	J	J	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.41	—	—	1	µg/L	Y	J	J	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2014-3244	CAPA-14-56395	GEL
18-MW-18	12.5	04/11/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.49	—	—	3.3	µg/L	Y	J	J	2018-2400	CAPA-18-152854	GEL
18-MW-18	12.5	04/06/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1331	CAPA-17-130543	GEL
18-MW-18	12.5	04/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-1017	CAPA-16-114739	GEL
18-MW-18	12.5	04/21/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-1082	CAPA-15-93470	GEL
18-MW-18	12.5	04/18/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2014-3244	CAPA-14-56395	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2017-141	CAWR-16-126342	GEL

Table C-1 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	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	1.45	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00454	0.00718	0.0398	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0116	0.00698	0.0569	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.7	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.8	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.4	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.1	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.56	1.59	6.24	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.279	1.66	6.64	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.27	—	—	0.067	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.24	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.78	—	—	3	µg/L	Y	J	J	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.01	—	—	3	µg/L	Y	J	J	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.7	—	—	2	µg/L	Y	J	J	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.96	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.34	—	—	2	µg/L	Y	J	J	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.377	1.42	5.88	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.83	1.52	7.67	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.245	—	—	0.033	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.288	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.762	0.814	2.9	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.35	0.685	2.99	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL

Table C-1 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	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.49	0.814	2.64	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.54	0.843	2.74	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.6	—	—	0.453	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.9	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.9	—	—	0.453	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.9	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.6	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.82	—	—	0.11	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.85	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.19	—	—	0.11	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.2	µg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.165	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.9	2.39	8.46	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.73	2.97	10.8	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.568	—	—	0.017	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.591	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0179	0.00992	0.0444	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00749	0.00749	0.0496	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00512	0.00809	0.0575	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0025	0.00749	0.0574	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.75	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.69	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.7	17.7	63.3	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	31.7	25.2	50.1	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.8	—	—	0.053	mg/L	Y	—	J-	2018-458	CAWR-18-147286	GEL

Table C-1 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	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.62	—	—	0.1	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.76	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.92	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.13	2.14	6.61	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.807	1.4	5.84	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	uS/cm	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	uS/cm	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	3.63	uS/cm	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	3.63	uS/cm	Y	H	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	uS/cm	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.5	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.4	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	62.7	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.07	0.11	0.394	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.152	0.129	0.486	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.92	—	—	0.133	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.85	—	—	0.133	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-426	CAWR-18-147407	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	09/28/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	20.8	—	—	—	deg C	N	—	—	28-SEP-94	9409WGGSAW	NA
Ancho Spring	—	04/05/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	18.5	—	—	—	deg C	N	—	—	05-APR-94	9404WGGSAW	NA
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0632	—	—	0.033	mg/L	Y	J	J	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.165	mg/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.416	—	—	0.33	mg/L	Y	J	J	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-141	CAWR-16-126316	GEL

Table C-1 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	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.027	—	—	0.02	mg/L	Y	J	J	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	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	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0346	—	—	0.017	mg/L	Y	J	U	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0224	—	—	0.017	mg/L	Y	J	U	12-1571	CAWR-12-23455	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.226	0.671	2.263	—	pCi/L	Y	U	U	2018-475	CAWR-18-147308	ARSL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.16	0.644	2.212	—	pCi/L	Y	U	U	2017-166	CAWR-16-126316	ARSL
Ancho Spring	—	10/05/2015	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	—	09/30/2014	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	—	12/10/2013	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	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.261	—	—	0.067	µg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.283	—	—	0.067	µg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.275	—	—	0.067	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.286	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.275	0.025	0.0425	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.255	0.0252	0.135	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0397	0.0116	0.0452	—	pCi/L	Y	U	U	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00859	0.0064	0.0697	—	pCi/L	Y	U	U	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.118	0.0162	0.0411	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147308	GEL
Ancho Spring	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.0182	0.0902	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126316	GEL
Ancho Spring	—	10/05/2015	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	GEL
Ancho Spring	—	09/30/2014	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	GEL
Ancho Spring	—	12/10/2013	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	GEL
Ancho Spring	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147286	GEL
Ancho Spring	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.96	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126342	GEL
Ancho Spring	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.66	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104436	GEL
Ancho Spring	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86960	GEL
Ancho Spring	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.2	—	—	1	µg/L	Y	J	J	12-1571	CAWR-12-23455	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.98	—	—	0.01	SU	Y	H	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.84	—	—	0.01	SU	Y	H	J-	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.78	—	—	0.01	SU	Y	H	J-	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.41	—	—	0.01	SU	Y	H	J-	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.83	—	—	0.01	SU	Y	H	J-	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	38.6	—	—	1.45	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	40.5	—	—	0.73	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	45.1	—	—	0.73	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	31.7	—	—	0.73	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	38.7	—	—	0.73	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	288	—	—	68	µg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1340	—	—	68	µg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	734	—	—	68	µg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1880	—	—	68	µg/L	Y	*	NQ	09-1118	CAPA-09-4074	GEL

Table C-1 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
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	637	—	—	68	µg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00273	0.00906	0.0511	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00963	0.0032	0.0407	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00412	0.00756	0.0303	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0121	0.0101	0.0461	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0206	0.00782	0.0208	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.27	—	—	2	µg/L	Y	J	J	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.5	—	—	1.5	µg/L	Y	J	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.8	—	—	1	µg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	60.7	—	—	1	µg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.8	—	—	1	µg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	48	—	—	1	µg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.1	—	—	1	µg/L	Y	E	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.3	—	—	0.05	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.03	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.65	—	—	0.03	mg/L	Y	—	J	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.017	1.97	6.25	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.198	1.29	4.18	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.06	1.33	4.67	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	9.81	4.05	3.88	—	pCi/L	Y	UI	R	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.27	1.06	3.51	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.13	—	—	0.067	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	24.5	—	—	0.13	mg/L	Y	—	J+	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.71	—	—	0.066	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	20.6	—	—	0.13	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.21	—	—	0.066	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.967	1.39	6.06	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.37	1.28	3.84	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.36	1.28	3.8	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.308	1.12	3.57	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.834	0.888	3.14	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.147	—	—	0.033	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.116	—	—	0.033	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.194	—	—	0.033	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.081	—	—	0.033	mg/L	Y	J	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.124	—	—	0.033	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.298	0.271	0.913	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.48	1.25	3.11	—	pCi/L	Y	—	J	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.52	0.681	1.86	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.434	0.414	1.5	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	0.973	0.218	0.568	—	pCi/L	Y	—	J	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.08	0.711	1.97	—	pCi/L	Y	—	NQ	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.56	0.938	2.47	—	pCi/L	Y	—	J	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.23	0.78	2.03	—	pCi/L	Y	—	J	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.68	1.25	2.75	—	pCi/L	Y	—	J	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	0.928	2.72	—	pCi/L	Y	—	J	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.6	—	—	0.453	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL

Table C-1 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
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.2	—	—	0.35	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.8	—	—	0.35	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.3	—	—	0.35	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.7	—	—	0.35	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	136	—	—	30	µg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	671	—	—	30	µg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	350	—	—	30	µg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	987	—	—	25	µg/L	Y	*	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	294	—	—	25	µg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.63	—	—	0.11	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.59	—	—	0.085	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.53	—	—	0.085	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.77	—	—	0.085	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.3	—	—	0.085	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.326	—	—	0.2	µg/L	Y	J	J	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.256	—	—	0.1	µg/L	Y	J	U	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.427	—	—	0.1	µg/L	Y	J	U	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.24	—	—	0.1	µg/L	Y	J	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.3	—	—	0.1	µg/L	Y	J	U	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.556	2.8	10.1	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.96	9.51	32.5	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	18	13.4	33.4	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.24	8.7	28.7	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	13.2	9.57	28	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.23	—	—	0.6	µg/L	Y	J	J	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.5	µg/L	Y	J	J	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.711	—	—	0.5	µg/L	Y	J	J	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.2	—	—	0.5	µg/L	Y	J	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.62	—	—	0.5	µg/L	Y	J	J	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.215	—	—	0.017	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.213	—	—	0.05	mg/L	Y	J	J	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.195	—	—	0.05	mg/L	Y	J	J	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.329	—	—	0.05	mg/L	Y	—	U	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	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	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00000000601	0.0131	0.0478	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00721	0.00867	0.0443	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00665	0.00577	0.0233	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0025	0.0056	0.0256	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00245	0.0268	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00676	0.00873	0.0516	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.012	0.00638	0.0424	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00831	0.00645	0.0258	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.015	0.00711	0.0371	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0293	0.00921	0.0179	—	pCi/L	Y	U	R	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.1	—	—	0.05	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.73	—	—	0.05	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.73	—	—	0.05	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.612	21.7	89.4	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.7	16.8	63.6	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.3	16.8	50.9	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL

Table C-1 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
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.56	14.8	36.3	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	43.3	12.1	52.5	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	30.9	—	—	0.053	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	36.6	—	—	0.053	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	38	—	—	0.053	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	39.4	—	—	0.032	mg/L	Y	N	J+	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.3	—	—	0.032	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	7.2	—	—	0.1	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.045	mg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	8.36	—	—	0.045	mg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.448	1.77	6.31	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.53	1.34	4.24	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.54	1.62	4	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.84	1.24	3.84	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.25	0.921	3.12	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	uS/cm	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	uS/cm	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	uS/cm	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	uS/cm	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	118	—	—	1	uS/cm	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.3	—	—	1	µg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	80.4	—	—	1	µg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.9	—	—	1	µg/L	Y	—	NQ	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.2	—	—	1	µg/L	Y	—	NQ	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0482	0.0929	0.313	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.16	0.0609	0.22	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0781	0.13	0.496	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.173	0.0852	0.333	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0544	0.0905	0.326	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.61	—	—	0.133	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.27	—	—	0.1	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.38	—	—	0.1	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.19	—	—	0.1	mg/L	Y	—	J-	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.22	—	—	0.1	mg/L	Y	—	J-	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	16	—	—	—	deg C	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	16	—	—	—	deg C	Y	—	NQ	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	175	—	—	2.4	mg/L	Y	—	NQ	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	2.4	mg/L	Y	—	NQ	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	2.4	mg/L	Y	H	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	101	—	—	2.4	mg/L	Y	—	J	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.102	—	—	0.033	mg/L	Y	—	NQ	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	03/05/2009	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.029	mg/L	Y	U	UJ	09-1118	CAPA-09-4073	GEL
Homestead Spring	—	12/04/2008	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.041	—	—	0.029	mg/L	Y	J	J	09-445	CAPA-09-1105	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.399	—	—	0.029	mg/L	Y	—	NQ	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.131	—	—	0.029	mg/L	Y	—	JN-	189308	GU070600GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.34	—	—	0.33	mg/L	Y	—	NQ	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	03/05/2009	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.98	—	—	0.33	mg/L	Y	—	J	09-1118	CAPA-09-4073	GEL
Homestead Spring	—	12/04/2008	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.54	—	—	0.33	mg/L	Y	—	NQ	09-445	CAPA-09-1105	GEL

Table C-1 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
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.96	—	—	0.66	mg/L	Y	—	NQ	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.07	—	—	0.33	mg/L	Y	—	NQ	189308	GU070600GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	3.372	1.281	3.8	—	pCi/L	Y	QU	U	2018-2479	CAPA-18-152851	ARSL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	50.232	1.61	0.2898	—	pCi/L	Y	—	NQ	2400	UU070800GSMH01	UMTL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	38.64	1.288	0.2898	—	pCi/L	Y	—	NQ	2364	UU070600GSMH01	UMTL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	77.28	2.576	0.2898	—	pCi/L	Y	—	NQ	2320	UU070300GSMH01	UMTL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	33.81	0.966	0.2898	—	pCi/L	Y	—	NQ	2298	UU061200GSMH01	UMTL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0723	0.0171	0.0951	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0781	0.0172	0.0586	—	pCi/L	Y	—	J	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0197	0.0101	0.0312	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.129	0.0199	0.063	—	pCi/L	Y	—	J	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.00983	0.0143	0.0696	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0257	0.0111	0.0451	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00585	0.00717	0.0417	—	pCi/L	Y	U	U	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00542	0.00664	0.0418	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00853	0.00638	0.04	—	pCi/L	Y	U	U	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0081	0.00812	0.071	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0234	0.013	0.0582	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152851	GEL
Homestead Spring	—	09/05/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.102	0.0173	0.0462	—	pCi/L	Y	—	J	193201	GU070800GSMH01	GEL
Homestead Spring	—	07/09/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0131	0.00763	0.0416	—	pCi/L	Y	U	U	189308	GU070600GSMH01	GEL
Homestead Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0782	0.0145	0.048	—	pCi/L	Y	—	J	183003	GU070300GSMH01	GEL
Homestead Spring	—	12/12/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0229	0.0119	0.0492	—	pCi/L	Y	U	U	177782	GU061200GSMH01	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.08	—	—	1	µg/L	Y	J	J	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.21	—	—	1	µg/L	Y	J	J	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.43	—	—	1	µg/L	Y	J	J	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.8	—	—	1	µg/L	Y	J	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.5	—	—	1	µg/L	Y	J	J	09-445	CAPA-09-1104	GEL
Homestead Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.8	—	—	3.3	µg/L	Y	J	J	2018-2462	CAPA-18-152850	GEL
Homestead Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4109	CAPA-10-24013	GEL
Homestead Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	09-3268	CAPA-09-12095	GEL
Homestead Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.6	—	—	2	µg/L	Y	J	J	09-1118	CAPA-09-4074	GEL
Homestead Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	2.7	—	—	2	µg/L	Y	J	J	09-445	CAPA-09-1104	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	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	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	143	—	—	1.45	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	130	—	—	1.45	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0056	0.00969	0.0327	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0114	0.00603	0.0466	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	112	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	114	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL

Table C-1 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	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	50.6	—	—	15	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	51.3	—	—	15	µg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	53.3	—	—	15	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.1	—	—	15	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	52.7	—	—	15	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.138	—	—	0.067	mg/L	Y	J	J	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	—	—	0.067	mg/L	Y	J	J	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	38.2	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	34.5	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	34.9	—	—	0.05	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	36.3	—	—	0.05	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.3	—	—	0.05	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.19	1.67	5.74	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.76	1	4.35	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.62	—	—	0.067	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.29	—	—	0.067	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	1.2	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.53	1.37	4.35	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.502	1.18	4.92	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.181	—	—	0.033	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.07	1.71	2.81	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	12.4	1.73	2.98	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.34	0.799	2.03	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.84	0.843	2.12	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	99.7	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.9	—	—	0.453	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL

Table C-1 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	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	91.2	—	—	0.453	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	95	—	—	0.453	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	97.7	—	—	0.453	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	61.1	—	—	30	µg/L	Y	J	J	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.07	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.931	—	—	0.11	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.989	—	—	0.11	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.08	—	—	0.11	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.12	—	—	0.11	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	33.1	—	—	2	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.38	—	—	2	µg/L	Y	J	J	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.3	µg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.7	2.8	9.47	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.783	2.23	7.26	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.017	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.16	—	—	0.034	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.313	—	—	0.05	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.809	—	—	0.05	µg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00761	0.00671	0.044	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00275	0.00911	0.0546	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00507	0.057	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.011	0.0116	0.0631	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.36	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.65	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.85	—	—	0.05	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	73.9	28.8	62.5	—	pCi/L	Y	UI	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.41	22.8	41	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	28.7	—	—	0.053	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	28.5	—	—	0.053	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	30	—	—	0.053	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	31.8	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	30.4	—	—	0.1	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.2	—	—	0.1	mg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	29.4	—	—	0.1	mg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	29.4	—	—	0.1	mg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.18	1.51	5.62	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.969	0.996	4.51	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	353	—	—	1	uS/cm	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	308	—	—	1	uS/cm	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	311	—	—	3.63	uS/cm	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	300	—	—	3.63	uS/cm	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	320	—	—	1	uS/cm	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	805	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	816	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	783	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	823	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	852	—	—	1	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0968	0.14	0.484	—	pCi/L	Y	U	U	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.375	0.155	0.485	—	pCi/L	Y	U	U	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.4	—	—	0.133	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.2	—	—	0.133	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147697	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	05/24/1995	WG	F	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	15.3	—	—	—	deg C	N	—	—	24-MAY-95	9505WGGSML	UNK
La Mesita Spring	—	07/28/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	17	—	—	—	deg C	N	—	—	28-JUL-94	9407WGGSML	NA
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	220	—	—	3.4	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	213	—	—	3.4	mg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.56	—	—	0.033	mg/L	Y	—	J+	2018-195	CAWR-18-147699	GEL

Table C-1 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	—	10/19/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.114	—	—	0.033	mg/L	Y	—	NQ	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.71	—	—	0.33	mg/L	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.504	—	—	0.33	mg/L	Y	J	J	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.217	—	—	0.02	mg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0239	—	—	0.017	mg/L	Y	J	U	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0712	—	—	0.017	mg/L	Y	—	U	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	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	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.409	0.919	3.082	—	pCi/L	Y	U*	U	2018-217	CAWR-18-147699	ARSL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	2.661	0.919	2.623	—	pCi/L	Y	—	J-	2017-182	CAWR-16-126318	ARSL
La Mesita Spring	—	10/14/2015	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	—	10/06/2014	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	—	12/17/2013	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	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	8.93	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	9.96	—	—	0.067	µg/L	Y	—	NQ	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	10.6	—	—	0.067	µg/L	Y	—	NQ	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	12.1	—	—	0.067	µg/L	Y	—	NQ	2014-2697	CAWR-13-42159	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.86	0.152	0.0885	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	5.84	0.195	0.33	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.322	0.0438	0.0945	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.237	0.0451	0.172	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.51	0.129	0.0857	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147699	GEL
La Mesita Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	4.12	0.164	0.222	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126318	GEL
La Mesita Spring	—	10/14/2015	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	GEL
La Mesita Spring	—	10/06/2014	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	GEL
La Mesita Spring	—	12/17/2013	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	GEL
La Mesita Spring	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.88	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147287	GEL
La Mesita Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.85	—	—	1	µg/L	Y	J	J	2017-176	CAWR-16-126344	GEL
La Mesita Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.24	—	—	1	µg/L	Y	J	J	2016-57	CAWR-16-104437	GEL
La Mesita Spring	—	10/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.33	—	—	1	µg/L	Y	J	J	2015-40	CAWR-14-86962	GEL
La Mesita Spring	—	12/17/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.86	—	—	1	µg/L	Y	J	J	2014-2697	CAWR-13-42159	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.18	—	—	0.01	SU	Y	H	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	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	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	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	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	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	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	122	—	—	1.45	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.6	—	—	1.45	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	122	—	—	0.33	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL

Table C-1 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
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.725	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	136	—	—	0.725	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	193	—	—	68	µg/L	Y	J	J	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	100	—	—	68	µg/L	Y	J	J	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	331	—	—	68	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	102	—	—	68	µg/L	Y	J	J	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00498	0.00895	0.0271	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00171	0.00708	0.0352	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0111	0.00586	0.0254	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00335	0.0102	0.048	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.006	0.00529	0.0346	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0775	—	—	0.017	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0906	—	—	0.017	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0739	—	—	0.017	mg/L	Y	—	U	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.102	—	—	0.017	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0571	—	—	0.017	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.67	—	—	2	µg/L	Y	J	J	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.85	—	—	2	µg/L	Y	J	J	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.22	—	—	1.7	µg/L	Y	J	J	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	54.5	—	—	1	µg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	66.9	—	—	1	µg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	74.6	—	—	1	µg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	49.4	—	—	1	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	57.3	—	—	1	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	60.9	—	—	15	µg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	41.3	—	—	15	µg/L	Y	J	J	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.2	—	—	15	µg/L	Y	J	J	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	41.4	—	—	15	µg/L	Y	J	J	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	62.6	—	—	15	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.42	—	—	0.067	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.34	—	—	0.067	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.09	—	—	0.067	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.275	—	—	0.067	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.31	—	—	0.067	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.6	—	—	0.05	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.2	—	—	0.05	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	27.6	—	—	0.05	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.655	1.66	5.74	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.832	1.14	4.47	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.458	1.14	4.1	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.775	1.03	3.87	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.47	1.48	5.2	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	13.4	—	—	0.134	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.7	—	—	0.67	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.6	—	—	0.67	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	55.4	—	—	0.67	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17	—	—	0.335	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL

Table C-1 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
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.43	—	—	3	µg/L	Y	J	J	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	3	µg/L	Y	U	U	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.86	—	—	2	µg/L	Y	J	J	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.08	—	—	2	µg/L	Y	J	J	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.00252	1.2	4.72	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.71	1.17	3.82	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.1	1.13	4.8	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.03	1.04	3.63	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.725	1.1	4.85	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.862	—	—	0.033	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.674	—	—	0.033	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.619	—	—	0.033	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.647	—	—	0.033	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.665	—	—	0.033	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.544	0.781	2.95	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.619	0.674	2.53	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.199	0.807	2.97	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.136	0.782	2.97	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.4	0.681	2.08	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	33.4	1.64	2.6	—	pCi/L	Y	—	NQ	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	33.3	0.756	1.36	—	pCi/L	Y	—	NQ	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	52.4	1.05	1.83	—	pCi/L	Y	—	NQ	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	34.3	1.54	1.95	—	pCi/L	Y	—	NQ	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	40.5	1.88	2.86	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.5	—	—	0.453	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.8	—	—	0.453	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	95.4	—	—	0.453	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.3	—	—	0.453	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.3	—	—	0.453	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	93	—	—	30	µg/L	Y	J	J	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	41.2	—	—	30	µg/L	Y	J	J	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	165	—	—	30	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	37.1	—	—	30	µg/L	Y	J	J	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.1	—	—	0.11	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.56	—	—	0.11	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.39	—	—	0.11	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	—	0.11	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	122	—	—	0.2	µg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	179	—	—	0.2	µg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	129	—	—	3.3	µg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	134	—	—	0.165	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	172	—	—	1.65	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.77	2.69	9.17	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.92	2.3	8.14	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.65	2.08	7.75	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.695	1.93	6.75	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.549	2.96	10.5	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.826	—	—	0.017	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.203	—	—	0.017	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL

Table C-1 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
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.579	—	—	0.017	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.407	—	—	0.085	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	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	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.523	—	—	0.05	µg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.24	—	—	0.05	µg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.475	—	—	0.05	µg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.239	—	—	0.05	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.482	—	—	0.05	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.023	0.0216	0.0341	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0369	0.0168	0.0574	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.012	0.00746	0.0362	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00177	0.00714	0.0353	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00408	0.00408	0.0226	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00919	0.0122	0.0437	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0201	0.0157	0.0608	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00199	0.00772	0.0345	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00866	0.0107	0.0444	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00817	0.00646	0.0372	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.77	—	—	0.05	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.65	—	—	0.05	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.67	—	—	0.05	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.1	—	—	0.05	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.79	—	—	0.05	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15	25.9	57.8	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.26	15.9	65.8	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.77	19.2	39.1	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.27	15.2	48.9	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.8	17.2	56.6	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.6	—	—	0.053	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42.7	—	—	0.053	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	44.9	—	—	0.053	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	46.4	—	—	0.053	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	45.1	—	—	0.053	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	39.3	—	—	0.1	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	51.8	—	—	0.1	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	52.3	—	—	0.1	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	42.1	—	—	0.1	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	51.7	—	—	0.1	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.39	1.21	5.13	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.34	0.94	3.08	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.4	0.626	4.21	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.31	0.959	3.74	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.273	1.61	6.3	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	344	—	—	1	uS/cm	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	457	—	—	1	uS/cm	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	474	—	—	1	uS/cm	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	366	—	—	3.63	uS/cm	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	376	—	—	1	uS/cm	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	138	—	—	1	µg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	157	—	—	1	µg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	167	—	—	1	µg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	114	—	—	1	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL

Table C-1 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
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	140	—	—	1	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	11.1	0.501	0.548	—	pCi/L	Y	—	NQ	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	17.6	0.948	1.47	—	pCi/L	Y	—	NQ	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	15.5	0.56	0.376	—	pCi/L	Y	—	NQ	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	12.4	0.434	0.442	—	pCi/L	Y	—	NQ	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	12.4	0.641	0.715	—	pCi/L	Y	—	J	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	25.6	—	—	0.266	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.9	—	—	0.133	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	37.6	—	—	1.33	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.96	—	—	0.133	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.9	—	—	0.665	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	271	—	—	3.4	mg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	293	—	—	3.4	mg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	247	—	—	3.4	mg/L	Y	—	J	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	241	—	—	3.4	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	223	—	—	3.4	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.866	—	—	0.33	mg/L	Y	J	J	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.11	—	—	0.33	mg/L	Y	—	NQ	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.15	—	—	0.33	mg/L	Y	—	NQ	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.85	—	—	0.33	mg/L	Y	—	NQ	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	NQ	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.209	—	—	0.02	mg/L	Y	—	J+	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.111	—	—	0.02	mg/L	Y	—	U	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.108	—	—	0.02	mg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.149	—	—	0.017	mg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.127	—	—	0.017	mg/L	Y	—	J	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.705	—	—	0.067	µg/L	Y	—	NQ	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.303	—	—	0.067	µg/L	Y	—	NQ	2017-1814	CALA-17-138998	GEL
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.567	—	—	0.067	µg/L	Y	—	NQ	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.26	—	—	0.067	µg/L	Y	—	NQ	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.08	—	—	0.067	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.347	0.029	0.0831	—	pCi/L	Y	—	NQ	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.152	0.0198	0.0558	—	pCi/L	Y	—	NQ	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.276	0.0268	0.0539	—	pCi/L	Y	—	NQ	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0774	0.0263	0.0975	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.675	0.0471	0.0819	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0218	0.0102	0.0629	—	pCi/L	Y	U	U	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0314	0.0118	0.0543	—	pCi/L	Y	U	U	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0109	0.0109	0.0642	—	pCi/L	Y	U	U	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00456	0.0137	0.0617	—	pCi/L	Y	U	U	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0235	0.0111	0.0687	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.265	0.0248	0.065	—	pCi/L	Y	—	NQ	2018-2715	CALA-18-69	GEL
LAO-3a	4.7	06/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.0192	0.0577	—	pCi/L	Y	—	NQ	2017-1814	CALA-17-138993	GEL
LAO-3a	4.7	06/07/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.0218	0.0558	—	pCi/L	Y	—	J	2016-1335	CALA-16-116841	GEL
LAO-3a	4.7	06/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0774	0.0212	0.0693	—	pCi/L	Y	—	J-	2015-1373	CALA-15-97424	GEL
LAO-3a	4.7	06/06/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.342	0.0332	0.046	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GEL
LAO-3a	4.7	06/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.15	—	—	1	µg/L	Y	J	J	2018-2715	CALA-18-68	GEL
LAO-3a	4.7	06/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.84	—	—	1	µg/L	Y	J	J	2017-1814	CALA-17-138998	GEL

Table C-1 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
LAO-3a	4.7	06/07/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.62	—	—	1	µg/L	Y	J	J	2016-1335	CALA-16-116847	GEL
LAO-3a	4.7	06/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.09	—	—	1	µg/L	Y	J	J	2015-1373	CALA-15-97443	GEL
LAO-3a	4.7	06/06/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.81	—	—	1	µg/L	Y	J	J	2014-3518	CALA-14-79462	GEL
LLAO-4	—	12/13/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1271	CALA-18-148963	GEL
LLAO-4	—	06/21/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1804	CALA-17-138995	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	209	—	—	1.45	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00397	0.00628	0.0348	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.151	—	—	0.017	mg/L	Y	—	J+	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.24	—	—	2	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	203	—	—	1	µg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.6	—	—	15	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0697	—	—	0.067	mg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	58.6	—	—	0.05	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.151	1.42	4.72	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.89	—	—	0.067	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	1.67	—	—	1	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.12	1.41	6.15	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.578	—	—	0.033	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.23	1.16	2.94	—	pCi/L	Y	—	NQ	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	13.1	0.62	1.56	—	pCi/L	Y	—	NQ	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	170	—	—	0.453	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	38.2	—	—	30	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.69	—	—	0.11	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	340	—	—	2	µg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.08	—	—	0.2	µg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.38	2.14	7.53	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.46	—	—	0.6	µg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0521	—	—	0.017	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.104	—	—	0.05	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0033	0.00874	0.0572	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0264	0.0168	0.0742	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.76	—	—	0.05	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.92	19.1	78.9	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	44.9	—	—	0.053	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.8	—	—	0.1	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.9	1.56	5.31	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	435	—	—	1	uS/cm	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	430	—	—	1	µg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.14	0.122	0.489	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.11	—	—	0.133	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-127	CAWR-18-147402	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.87	—	—	2.5	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	276	—	—	3.4	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	1.83	—	—	0.033	mg/L	Y	—	J+	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	9.23	—	—	0.66	mg/L	Y	—	NQ	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.141	—	—	0.02	mg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.523	0.898	2.851	—	pCi/L	Y	U*	U	2018-215	CAWR-18-147345	ARSL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.77	—	—	0.067	µg/L	Y	—	NQ	2018-127	CAWR-18-147290	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.05	0.0763	0.0976	—	pCi/L	Y	—	NQ	2018-127	CAWR-18-147345	GEL

Table C-1 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
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0451	0.0201	0.104	—	pCi/L	Y	U	U	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.748	0.0648	0.0945	—	pCi/L	Y	—	NQ	2018-127	CAWR-18-147345	GEL
Lower Sandia Spring	0.0	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.44	—	—	1	µg/L	Y	J	J	2018-127	CAWR-18-147290	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.33	—	—	0.01	SU	Y	H	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.05	—	—	0.01	SU	Y	H	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	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	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.93	—	—	0.01	SU	Y	H	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	127	—	—	1.45	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	32	—	—	1.45	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	158	—	—	1.45	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	137	—	—	1.45	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	133	—	—	0.725	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	97.5	—	—	68	µg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00915	0.0102	0.034	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0108	0.00955	0.0422	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0233	0.0124	0.0471	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0165	0.00953	0.0521	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0121	0.00855	0.0276	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0184	—	—	0.017	mg/L	Y	J	J	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0273	—	—	0.017	mg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0799	—	—	0.017	mg/L	Y	—	U	2017-1526	CAMO-17-132462	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.107	—	—	0.017	mg/L	Y	—	U	2017-1525	CAMO-17-132354	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.055	—	—	0.017	mg/L	Y	—	NQ	2017-1018	CAMO-17-129407	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.084	—	—	0.017	mg/L	Y	—	U	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0712	—	—	0.017	mg/L	Y	—	U	2017-439	CAMO-17-127357	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0765	—	—	0.017	mg/L	Y	—	U	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0779	—	—	0.017	mg/L	Y	—	U	2016-1817	CAMO-16-124361	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.118	—	—	0.017	mg/L	Y	—	U	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.26	—	—	2	µg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.39	—	—	1.7	µg/L	Y	J	J	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.68	—	—	1.7	µg/L	Y	J	J	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.55	—	—	1.7	µg/L	Y	J	J	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	210	—	—	1	µg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	215	—	—	1	µg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	323	—	—	1	µg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	394	—	—	1	µg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	202	—	—	1	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	63.9	—	—	15	µg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	59.5	—	—	15	µg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	68.2	—	—	15	µg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	65	—	—	15	µg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	63.3	—	—	15	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0688	—	—	0.067	mg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0702	—	—	0.067	mg/L	Y	J	J	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2017-440	CAMO-17-127334	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.1	—	—	0.05	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.3	—	—	0.05	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	41.1	—	—	0.05	mg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	50.9	—	—	0.05	mg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.4	—	—	0.05	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.07	1.34	5.44	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.09	1.06	3.72	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.09	0.968	3.71	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.422	1.48	5.22	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.142	1.94	4.82	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	70.7	—	—	0.67	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	69.8	—	—	0.67	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	64.8	—	—	0.67	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.9	—	—	0.67	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	72.8	—	—	0.67	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.61	1.39	4.22	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.479	1.49	3.93	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.204	0.841	3.28	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.649	1.2	4.82	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.81	1.33	4.46	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.01	—	—	0.033	mg/L	Y	—	NQ	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.956	—	—	0.033	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.05	—	—	0.033	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.06	—	—	0.033	mg/L	Y	—	NQ	2017-1525	CAMO-17-132354	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.903	—	—	0.033	mg/L	Y	—	NQ	2017-1018	CAMO-17-129407	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.887	—	—	0.033	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.05	—	—	0.033	mg/L	Y	—	NQ	2017-439	CAMO-17-127357	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.976	—	—	0.033	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.895	—	—	0.033	mg/L	Y	—	NQ	2016-1817	CAMO-16-124361	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.925	—	—	0.033	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.95	1.02	2.96	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.204	0.829	2.75	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.5	0.901	2.97	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.893	0.889	2.92	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.9	1.05	2.26	—	pCi/L	Y	—	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	23	1.69	2.89	—	pCi/L	Y	—	NQ	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	25.9	0.775	1.74	—	pCi/L	Y	—	NQ	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	30.7	2.1	2.54	—	pCi/L	Y	—	NQ	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	43.1	2.09	2.96	—	pCi/L	Y	—	NQ	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	20.3	1.54	2.14	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	92.4	—	—	0.453	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	93.1	—	—	0.453	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	137	—	—	0.453	mg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	170	—	—	0.453	mg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	32.6	—	—	30	µg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	36.6	—	—	30	µg/L	Y	J	J	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.4	—	—	0.11	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.47	—	—	0.11	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.42	—	—	0.11	mg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	10.4	—	—	0.11	mg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.34	—	—	0.11	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	33.9	—	—	0.2	µg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	33.1	—	—	0.165	µg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	26.2	—	—	0.165	µg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	21.8	—	—	0.165	µg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	41.2	—	—	0.165	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.33	2.18	6.88	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.54	1.97	6.73	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0906	1.9	6.69	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.164	2.42	8.76	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.27	2.49	9.18	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.84	—	—	0.6	µg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.842	—	—	0.5	µg/L	Y	J	J	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.17	—	—	0.5	µg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.98	—	—	0.5	µg/L	Y	J	J	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.28	—	—	0.5	µg/L	Y	—	J	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.922	—	—	0.017	mg/L	Y	—	NQ	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.972	—	—	0.017	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.857	—	—	0.017	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.931	—	—	0.017	mg/L	Y	—	NQ	2017-1525	CAMO-17-132354	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.87	—	—	0.17	mg/L	Y	—	NQ	2017-1018	CAMO-17-129407	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.836	—	—	0.017	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	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	2017-439	CAMO-17-127357	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.74	—	—	0.085	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.17	mg/L	Y	—	NQ	2016-1817	CAMO-16-124361	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.732	—	—	0.017	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.28	—	—	0.25	µg/L	Y	—	NQ	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.48	—	—	0.25	µg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.09	—	—	0.25	µg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.85	—	—	0.25	µg/L	Y	—	NQ	2017-1525	CAMO-17-132354	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7	—	—	0.25	µg/L	Y	—	NQ	2017-1018	CAMO-17-129407	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.05	—	—	0.25	µg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.29	—	—	0.5	µg/L	Y	—	NQ	2017-439	CAMO-17-127357	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.2	—	—	0.5	µg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.55	—	—	0.5	µg/L	Y	—	NQ	2016-1817	CAMO-16-124361	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.61	—	—	0.5	µg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0176	0.019	0.0352	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0265	0.00884	0.0307	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0127	0.00732	0.0423	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00664	0.00664	0.0229	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.013	0.00813	0.0146	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0293	0.0131	0.0349	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0199	0.00911	0.0384	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0296	0.0099	0.0378	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0133	0.007	0.0435	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0152	0.00841	0.0262	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	15.9	—	—	0.05	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	21	—	—	0.05	mg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	23	—	—	0.05	mg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-57	15.9	46.5	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.9	16.9	49.5	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.2	15.3	57.5	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.7	19	51.5	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.8	17.3	60.4	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.88	—	—	2	µg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.15	—	—	1.5	µg/L	Y	J	J	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.45	—	—	1.5	µg/L	Y	J	J	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.15	—	—	1.5	µg/L	Y	J	J	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.84	—	—	1.5	µg/L	Y	J	J	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	40	—	—	0.053	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41.1	—	—	0.053	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	43.3	—	—	0.053	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41.6	—	—	0.053	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42	—	—	0.053	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	57.8	—	—	0.1	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	57.3	—	—	0.1	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	75.1	—	—	0.1	mg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	80	—	—	0.1	mg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	54.5	—	—	0.1	mg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.27	1.34	4.59	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.428	0.967	3.33	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.566	0.761	2.77	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0599	1.22	4.65	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.677	1.33	4.86	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	608	—	—	1	uS/cm	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	456	—	—	1	uS/cm	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	514	—	—	1	uS/cm	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	496	—	—	1	uS/cm	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	494	—	—	3.63	uS/cm	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	164	—	—	1	µg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	166	—	—	1	µg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	244	—	—	1	µg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	154	—	—	1	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	3.54	0.269	0.413	—	pCi/L	Y	—	NQ	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	3.79	0.285	0.44	—	pCi/L	Y	—	NQ	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	5.47	0.381	0.491	—	pCi/L	Y	—	NQ	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	6.47	0.349	0.461	—	pCi/L	Y	—	NQ	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	2.77	0.245	0.487	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	—	0.133	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.1	—	—	0.133	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.9	—	—	0.133	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13	—	—	0.133	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.7	—	—	0.133	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-2378	CAMO-17-142060	GEL
MCO-7	—	05/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1526	CAMO-17-132464	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1526	CAMO-17-132462	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	—	05/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1525	CAMO-17-132354	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	296	—	—	3.4	mg/L	Y	—	NQ	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	299	—	—	3.4	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	297	—	—	3.4	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	321	—	—	3.4	mg/L	Y	—	NQ	2017-1525	CAMO-17-132354	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	341	—	—	3.4	mg/L	Y	—	NQ	2017-1018	CAMO-17-129407	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	339	—	—	3.4	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	264	—	—	3.4	mg/L	Y	—	NQ	2017-439	CAMO-17-127357	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	277	—	—	3.4	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	310	—	—	3.4	mg/L	Y	—	NQ	2016-1817	CAMO-16-124361	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	306	—	—	3.4	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0634	—	—	0.033	mg/L	Y	J	J	2017-2379	CAMO-17-142071	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0746	—	—	0.033	mg/L	Y	J	J	2017-2378	CAMO-17-142060	GEL
MCO-7	—	05/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.117	—	—	0.033	mg/L	Y	—	NQ	2017-1526	CAMO-17-132464	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.163	—	—	0.033	mg/L	Y	—	NQ	2017-1525	CAMO-17-132354	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.234	—	—	0.033	mg/L	Y	—	NQ	2017-1018	CAMO-17-129407	GEL
MCO-7	—	02/14/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.166	—	—	0.033	mg/L	Y	—	J+	2017-1019	CAMO-17-129355	GEL
MCO-7	—	11/10/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-440	CAMO-17-127332	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-439	CAMO-17-127357	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-1817	CAMO-16-124361	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.1	—	—	0.33	mg/L	Y	—	NQ	2017-2378	CAMO-17-142060	GEL
MCO-7	—	05/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.37	—	—	0.33	mg/L	Y	—	NQ	2017-1526	CAMO-17-132464	GEL
MCO-7	—	02/14/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.45	—	—	0.33	mg/L	Y	—	NQ	2017-1019	CAMO-17-129355	GEL
MCO-7	—	11/10/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.41	—	—	0.33	mg/L	Y	—	NQ	2017-440	CAMO-17-127332	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.44	—	—	0.33	mg/L	Y	—	NQ	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.197	—	—	0.02	mg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	05/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.212	—	—	0.02	mg/L	Y	—	NQ	2017-1526	CAMO-17-132462	GEL
MCO-7	—	02/14/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.214	—	—	0.02	mg/L	Y	—	NQ	2017-1019	CAMO-17-129353	GEL
MCO-7	—	11/10/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.247	—	—	0.02	mg/L	Y	—	NQ	2017-440	CAMO-17-127334	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.239	—	—	0.02	mg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	118	47.7	153	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	177	60.4	187	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	269	58.3	181	—	pCi/L	Y	—	NQ	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	381	63.7	159	—	pCi/L	Y	—	NQ	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	607	57.2	126	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.825	—	—	0.067	µg/L	Y	—	NQ	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.937	—	—	0.067	µg/L	Y	—	NQ	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.6	—	—	0.067	µg/L	Y	—	NQ	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.817	—	—	0.067	µg/L	Y	—	NQ	12-1498	CAMO-12-21793	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.429	0.0347	0.0624	—	pCi/L	Y	—	NQ	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.38	0.0327	0.0957	—	pCi/L	Y	—	NQ	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.453	0.0379	0.119	—	pCi/L	Y	—	NQ	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.277	0.0253	0.0482	—	pCi/L	Y	—	J	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.336	0.0382	0.0928	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0425	0.0127	0.0529	—	pCi/L	Y	U	U	2017-2378	CAMO-17-142060	GEL
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.029	0.014	0.0865	—	pCi/L	Y	U	U	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.083	0.0186	0.0839	—	pCi/L	Y	U	U	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	0.00829	0.0313	—	pCi/L	Y	U	U	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0215	0.0114	0.0599	—	pCi/L	Y	U	U	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.363	0.0314	0.0517	—	pCi/L	Y	—	NQ	2017-2378	CAMO-17-142060	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	—	07/28/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.344	0.0308	0.0542	—	pCi/L	Y	—	NQ	2016-1818	CAMO-16-124259	GEL
MCO-7	—	08/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.38	0.0347	0.11	—	pCi/L	Y	—	NQ	2015-2225	CAMO-15-102570	GEL
MCO-7	—	07/17/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.21	0.0224	0.0477	—	pCi/L	Y	—	NQ	2014-3909	CAMO-14-81571	GEL
MCO-7	—	08/14/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.334	0.0354	0.0471	—	pCi/L	Y	—	NQ	12-1498	CAMO-12-21784	GEL
MCO-7	—	08/07/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.98	—	—	1	µg/L	Y	J	J	2017-2378	CAMO-17-142053	GEL
MCO-7	—	07/28/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.66	—	—	1	µg/L	Y	J	J	2016-1818	CAMO-16-124283	GEL
MCO-7	—	08/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.28	—	—	1	µg/L	Y	J	J	2015-2225	CAMO-15-102594	GEL
MCO-7	—	07/17/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.72	—	—	1	µg/L	Y	J	J	2014-3909	CAMO-14-81580	GEL
MCO-7	—	08/14/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.11	—	—	1	µg/L	Y	J	J	12-1498	CAMO-12-21793	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	5.04	—	—	1.5	µg/L	Y	J	J	2018-373	CAWR-18-147400	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	10-4795	CAWR-10-25461	GEL
Mortandad at Rio Grande	—	09/28/2009	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	10-17	CAWR-09-12595	GEL
Mortandad at Rio Grande	—	09/24/2007	WP	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	7.73	—	—	1.25	µg/L	Y	—	J-	194565	GU070900PMRG02	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	J-	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	J-	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Acidity or Alkalinity of a solution	pH	Y	7.5	—	—	—	SU	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	151	—	—	0.73	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	131	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	121	—	—	0.73	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	213	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	1380	—	—	68	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0139	0.00851	0.0609	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	4.69	—	—	0.085	mg/L	Y	Q	J+	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	14	—	—	0.16	mg/L	Y	—	J+	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.619	—	—	0.016	mg/L	Y	—	J-	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.21	—	—	0.016	mg/L	Y	—	J-	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.03	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.54	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.3	—	—	1.5	µg/L	Y	J	J	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	76	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	93.7	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	68	—	—	1	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	70.8	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	49.2	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	278	—	—	15	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	289	—	—	15	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	412	—	—	15	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	382	—	—	15	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	313	—	—	15	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0743	—	—	0.067	mg/L	Y	JQ	J	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.14	—	—	0.066	mg/L	Y	J	J	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.156	—	—	0.066	mg/L	Y	J	J	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.131	—	—	0.066	mg/L	Y	J	J	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.2	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.4	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	32.5	—	—	0.05	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	31.9	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL

Table C-1 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
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.4	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Calcium	Ca	Y	30.6	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.47	1.33	4.75	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	49.1	—	—	0.67	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	60.7	—	—	0.33	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	55.1	—	—	0.33	mg/L	Y	—	J+	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.7	—	—	0.33	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Chloride	Cl(-1)	Y	49.2	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	2.01	—	—	1	µg/L	Y	J	J	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	2.42	—	—	1	µg/L	Y	J	J	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.67	—	—	1	µg/L	Y	J	J	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.99	—	—	1	µg/L	Y	J	J	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.3	—	—	1	µg/L	Y	J	J	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0616	1.86	6.96	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	13.3	—	—	3	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	17.1	—	—	3	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	14.5	—	—	3	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	11.4	—	—	3	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	13.2	—	—	3	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00361	—	—	0.00167	mg/L	Y	JQ	J	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.218	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.304	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.437	—	—	0.033	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Fluoride	F(-1)	Y	0.86	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.25	1.15	2.99	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	14.2	1.38	2.19	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.9	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.9	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	121	—	—	0.45	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	114	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	93.1	—	—	0.35	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Hardness	HARDNESS	Y	108	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	94.7	—	—	30	µg/L	Y	J	J	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	958	—	—	30	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	152	—	—	30	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	57.1	—	—	30	µg/L	Y	J	J	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	66.6	—	—	30	µg/L	Y	J	J	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	1.19	—	—	0.5	µg/L	Y	J	J	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.23	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.69	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	9.57	—	—	0.11	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.22	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.61	—	—	0.085	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Magnesium	Mg	Y	8.9	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	29.3	—	—	2	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	58.8	—	—	2	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	175	—	—	2	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.5	—	—	2	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	29.8	—	—	2	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL

Table C-1 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
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.17	µg/L	Y	—	J	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.129	2.79	9.19	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.38	—	—	0.6	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.19	—	—	0.6	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.8	—	—	0.5	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.16	—	—	0.5	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.33	—	—	0.5	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.42	—	—	0.17	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.57	—	—	0.05	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.4	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.13	—	—	0.25	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0036	0.0119	0.0623	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00359	0.0119	0.0808	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	16	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	17.9	—	—	0.05	mg/L	Y	E	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Potassium	K	Y	14.2	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.6	25.7	47.8	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	85	—	—	0.053	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.7	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.1	—	—	0.053	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Silicon Dioxide	SiO2	Y	94	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	47	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	48.7	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	68.8	—	—	0.1	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	61.7	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	59.3	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Sodium	Na	Y	13	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.11	1.65	4.37	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	543	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	651	—	—	1	uS/cm	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	585	—	—	1	uS/cm	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	523	—	—	1	uS/cm	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Specific Conductance	SPEC_CONDC	Y	572	—	—	—	uS/cm	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	104	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	111	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	154	—	—	1	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	148	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	110	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00593	0.11	0.422	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	30.9	—	—	1.33	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	59.9	—	—	0.5	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	34	—	—	0.1	mg/L	Y	—	J+	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	27.4	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Sulfate	SO4(-2)	Y	16	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.1	—	—	—	deg C	Y	—	NQ	2018-376	CAWR-18-147400	CFA

Table C-1 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
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	10	—	—	—	deg C	Y	—	NQ	2018-373	CAWR-18-147400	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	350	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	424	—	—	4.8	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	404	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	2.4	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Total Dissolved Solids	TDS	Y	438	—	—	—	mg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	9.9	—	—	0.165	mg/L	Y	Q	J	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	16.3	—	—	0.66	mg/L	Y	Q	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	3.86	—	—	0.1	mg/L	Y	Q	J-	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0653	—	—	0.015	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.74	—	—	0.075	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.77	—	—	0.075	mg/L	Y	—	J-	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.238	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.304	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.889	—	—	0.067	µg/L	Y	N	J+	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.892	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	01/01/1981	WS	F	INIT	REG	LEGACY	LEGACY	Uranium	U	Y	2	0.4	—	—	µg/L	N	—	—	LEGACY	CLEANUP453	NA
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.114	0.0194	0.0473	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00276	0.00731	0.0503	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0894	0.0176	0.0457	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.33	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.89	—	—	1	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.99	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.3	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	37.3	—	—	3.3	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GEL
Mortandad at Rio Grande	—	10/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	30.5	—	—	3.3	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GEL
Mortandad at Rio Grande	—	10/03/2011	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30.1	—	—	3.3	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GEL
Mortandad at Rio Grande	—	09/27/2010	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	30	—	—	3.3	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GEL
Mortandad at Rio Grande	—	09/30/2009	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	33.9	—	—	3.3	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.8	—	—	0.01	SU	Y	H	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.18	—	—	0.01	SU	Y	H	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.13	—	—	0.01	SU	Y	H	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	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	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	02/11/1999	WG	F	INIT	REG	GENERAL CHEMISTRY	USGS-WRI-79-4	Acidity or Alkalinity of a solution	pH	Y	7.6	—	—	—	SU	Y	—	NQ	5208R	CAPU-99-0002	HUFFM
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	52.2	—	—	1.45	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.33	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.9	—	—	0.725	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	981	—	—	0.73	mg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	179	—	—	68	µg/L	Y	J	J	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	311	—	—	68	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	50	—	—	15	µg/L	Y	U	U	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.66	—	—	2	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.43	—	—	2	µg/L	Y	J	J	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.52	—	—	1.7	µg/L	Y	J	J	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.9	—	—	1.7	µg/L	Y	J	J	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Arsenic	As	Y	7.65	—	—	2.2	µg/L	Y	—	NQ	873S	CAPU-02-45069	GEL

Table C-1 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
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45.9	—	—	1	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	53.6	—	—	1	µg/L	Y	E	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	47.8	—	—	1	µg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	48.1	—	—	1	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	52.1	—	—	0.22	µg/L	Y	*	J	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	246	—	—	15	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	224	—	—	15	µg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	238	—	—	15	µg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	293	—	—	15	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/19/2000	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	379	—	—	—	µg/L	Y	B	J	6863R	CAPU-00-0020	KA
PAO-5n	7.43	06/12/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	Y	1.68	—	—	1.5	µg/L	Y	J	J-	N3B-2018-52	CAPU-18-77	GEL
PAO-5n	7.43	06/08/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	5	—	—	2	µg/L	Y	U	U	2016-1356	CAPU-16-116864	GEL
PAO-5n	7.43	06/04/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	5	—	—	2	µg/L	Y	U	U	2015-1362	CAPA-15-97485	GEL
PAO-5n	7.43	06/11/2002	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	5	—	—	2.3	µg/L	Y	U	U	872S	CAPU-02-45070	GEL
PAO-5n	7.43	02/11/1999	WG	UF	INIT	REG	VOC	SW-846:8260	Butanone[2-]	78-93-3	N	20	—	—	—	µg/L	Y	U	U	5202R	CAPU-99-0001	PARA
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26	—	—	0.05	mg/L	Y	—	J-	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21	—	—	0.05	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30.6	—	—	0.0055	mg/L	Y	*	J	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	53.3	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	52.8	—	—	0.67	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	48	—	—	0.67	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.5	—	—	0.67	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.8	—	—	0.16	mg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.428	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.425	—	—	0.033	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.379	—	—	0.033	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.41	—	—	0.05	mg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.858	0.757	2.72	—	pCi/L	Y	U	U	N3B-2018-30	CAPU-18-77	GEL
PAO-5n	7.43	06/19/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.398	0.748	2.94	—	pCi/L	Y	U	U	2017-1775	CAPU-17-139098	GEL
PAO-5n	7.43	06/08/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.55	0.908	2.96	—	pCi/L	Y	U	U	2016-1356	CAPU-16-116864	GEL
PAO-5n	7.43	06/04/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.208	0.478	1.76	—	pCi/L	Y	U	U	2015-1362	CAPA-15-97485	GEL
PAO-5n	7.43	02/11/1999	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.93	0.3	0.95	—	pCi/L	Y	—	U	5204R	CAPU-99-0001	PARA
PAO-5n	7.43	06/12/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	13.5	0.896	1.83	—	pCi/L	Y	—	NQ	N3B-2018-30	CAPU-18-77	GEL
PAO-5n	7.43	06/19/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12.2	1.31	3	—	pCi/L	Y	—	NQ	2017-1775	CAPU-17-139098	GEL
PAO-5n	7.43	06/08/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	14.5	0.592	1.04	—	pCi/L	Y	—	NQ	2016-1356	CAPU-16-116864	GEL
PAO-5n	7.43	06/04/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	15.3	0.568	1.07	—	pCi/L	Y	—	NQ	2015-1362	CAPA-15-97485	GEL
PAO-5n	7.43	02/11/1999	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12.4	0.75	1.3	—	pCi/L	Y	—	NQ	5204R	CAPU-99-0001	PARA
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.6	—	—	0.453	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.2	—	—	0.453	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.2	—	—	0.453	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	142	—	—	30	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	58.1	—	—	30	µg/L	Y	J	J	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	92.8	—	—	30	µg/L	Y	J	J	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	213	—	—	30	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1650	—	—	13	µg/L	Y	N	J-	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.87	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.48	—	—	0.11	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.76	—	—	0.11	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL

Table C-1 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
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.33	—	—	0.0052	mg/L	Y	N*	J	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.97	—	—	2	µg/L	Y	J	J	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.16	—	—	2	µg/L	Y	J	J	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.22	—	—	2	µg/L	Y	J	J	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6020	Manganese	Mn	Y	2970	—	—	1.6	µg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.19	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.64	—	—	0.2	µg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.09	—	—	0.165	µg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.49	—	—	0.165	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.18	—	—	0.2	µg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.31	—	—	0.6	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.68	—	—	0.6	µg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.15	—	—	0.5	µg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.45	—	—	0.5	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Nickel	Ni	Y	7.55	—	—	0.69	µg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0575	—	—	0.05	µg/L	Y	J	J	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	N	0.2	—	—	0.05	µg/L	Y	U	U	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	N	0.2	—	—	0.05	µg/L	Y	U	U	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.153	—	—	0.05	µg/L	Y	J	J	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:314.0	Perchlorate	ClO4	Y	4	—	—	1.5	µg/L	Y	J	J	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	N	14.5	—	—	0.017	mg/L	Y	N*	R	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	51.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.4	—	—	0.053	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.9	—	—	0.053	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	54.5	—	—	0.053	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	33.5	—	—	0.0098	mg/L	Y	*	J	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	62.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	62.5	—	—	0.1	mg/L	Y	—	J-	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	58.9	—	—	0.1	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	64.7	—	—	0.1	mg/L	Y	—	J-	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	76.6	—	—	0.014	mg/L	Y	*	J	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	497	—	—	1	uS/cm	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	565	—	—	1	uS/cm	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	520	—	—	1	uS/cm	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	482	—	—	3.63	uS/cm	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	119	—	—	1	µg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	95.3	—	—	1	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	82.5	—	—	1.33	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	106	—	—	1.33	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	84.3	—	—	1.33	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	58.3	—	—	1.33	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	29.3	—	—	0.19	mg/L	Y	—	NQ	873S	CAPU-02-45069	GEL
PAO-5n	7.43	06/12/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2018-52	CAPU-18-77	GEL
PAO-5n	7.43	06/19/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1775	CAPU-17-139098	GEL

Table C-1 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
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	344	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	367	—	—	3.4	mg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	327	—	—	3.4	mg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	349	—	—	3.4	mg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/19/2000	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	340	—	—	—	mg/L	Y	—	NQ	6865R	CAPU-00-0020	RECRA
PAO-5n	7.43	06/12/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.47	—	—	1	µg/L	Y	—	NQ	N3B-2018-30	CAPU-18-76	GEL
PAO-5n	7.43	06/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.86	—	—	1	µg/L	Y	—	NQ	2017-1775	CAPU-17-139090	GEL
PAO-5n	7.43	06/08/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.3	—	—	1	µg/L	Y	—	NQ	2016-1356	CAPU-16-116872	GEL
PAO-5n	7.43	06/04/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.31	—	—	1	µg/L	Y	—	NQ	2015-1362	CAPA-15-97493	GEL
PAO-5n	7.43	06/11/2002	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	2.81	—	—	0.61	µg/L	Y	B	J	873S	CAPU-02-45069	GEL
PCI-2	512.0	04/17/2018	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	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	—	0.01	SU	Y	H	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	—	0.01	SU	Y	H	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	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	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	—	SU	Y	H	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.5	—	—	0.01	SU	Y	H	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.2	—	—	1.45	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.4	—	—	1.45	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55	—	—	1.45	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	44	—	—	1.45	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.1	—	—	0.725	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.3	—	—	0.725	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00852	0.00614	0.0319	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000108	0.00609	0.0537	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00758	0.00758	0.0473	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00446	0.0063	0.0342	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00282	0.00746	0.0434	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	3.91	—	—	1	µg/L	Y	J	J	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	3.65	—	—	1	µg/L	Y	J	J	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	3.75	—	—	1	µg/L	Y	J	J	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	3.3	—	—	1	µg/L	Y	J	J	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	3.81	—	—	1	µg/L	Y	J	J	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	3.8	—	—	1	µg/L	Y	J	J	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.45	—	—	0.05	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.67	—	—	0.05	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.15	—	—	0.05	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.44	—	—	0.05	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.17	—	—	0.05	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.89	—	—	0.05	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.619	0.979	3.35	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.724	1.47	5.33	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.54	1.2	4.51	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.93	2.02	6.18	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.84	1.74	5.11	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.37	—	—	0.067	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.42	—	—	0.067	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.44	—	—	0.067	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.42	—	—	0.067	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.39	—	—	0.067	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.41	—	—	0.067	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.06	0.937	3.69	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.558	1.52	6.04	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL

Table C-1 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
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.93	1.19	3.8	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.33	1.29	5.36	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.232	1.61	6.29	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.185	—	—	0.033	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.152	—	—	0.033	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.128	—	—	0.033	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.113	—	—	0.033	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.151	—	—	0.033	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.172	—	—	0.033	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0526	0.411	1.44	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.33	0.489	2.82	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.536	0.682	2.64	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.393	0.486	1.66	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0376	0.275	1.02	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.14	0.844	2.81	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.661	0.646	2.22	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.29	0.852	2.98	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.05	0.427	0.9	—	pCi/L	Y	—	NQ	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.263	0.323	1.08	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.2	—	—	0.453	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	30.5	—	—	0.453	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.7	—	—	0.453	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	29.6	—	—	0.453	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.3	—	—	0.453	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.2	—	—	0.453	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.33	—	—	0.11	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.15	—	—	0.11	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.16	—	—	0.11	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.08	—	—	0.11	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.27	—	—	0.11	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.25	—	—	0.11	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.2	µg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.2	µg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.3	—	—	0.2	µg/L	Y	—	U	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.3	µg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	µg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.5	2.02	7.52	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.14	2.77	10.2	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.621	2.12	7.49	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.45	3.06	10.1	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.78	3.21	12.2	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.178	—	—	0.017	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.101	—	—	0.017	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.108	—	—	0.017	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.109	—	—	0.017	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.133	—	—	0.017	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.119	—	—	0.017	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.158	—	—	0.05	µg/L	Y	J	J	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.183	—	—	0.05	µg/L	Y	J	J	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.18	—	—	0.05	µg/L	Y	J	J	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.202	—	—	0.05	µg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL

Table C-1 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
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.178	—	—	0.05	µg/L	Y	J	J	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.186	—	—	0.05	µg/L	Y	J	J	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00992	0.00768	0.0421	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00875	0.00818	0.0396	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0104	0.0069	0.0399	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00669	0.00847	0.0325	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00584	0.0345	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00687	0.0454	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00219	0.00788	0.0432	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00208	0.0069	0.0378	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00863	0.00898	0.0496	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0165	0.0516	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.259	—	—	0.05	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.297	—	—	0.05	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.444	—	—	0.05	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.34	—	—	0.05	mg/L	Y	—	J	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.282	—	—	0.05	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.316	—	—	0.05	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.3	14.7	51.8	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.4	17.5	41.1	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.25	15.7	56.9	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.16	16.2	58.2	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.69	19.8	73.9	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.1	—	—	0.053	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.3	—	—	0.053	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61	—	—	0.53	mg/L	Y	E	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.4	—	—	0.053	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.3	—	—	0.053	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.7	—	—	0.053	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.829	1.01	3.56	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.544	1.46	5.82	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.757	1.19	4.61	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0146	1.5	5.61	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.15	1.63	5.91	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	110	—	—	1	uS/cm	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	uS/cm	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	uS/cm	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	110	—	—	1	uS/cm	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	3.63	uS/cm	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	103	—	—	3.63	uS/cm	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.8	—	—	1	µg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.9	—	—	1	µg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49	—	—	1	µg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.6	—	—	1	µg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.5	—	—	1	µg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.2	—	—	1	µg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL

Table C-1 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
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.248	0.0844	0.271	—	pCi/L	Y	U	U	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.232	0.144	0.478	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0089	0.087	0.297	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0214	0.133	0.482	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.13	0.0804	0.265	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.7	—	—	0.133	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.69	—	—	0.133	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.75	—	—	0.133	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.69	—	—	0.133	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.61	—	—	0.133	mg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.62	—	—	0.133	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	11/01/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-677	CAPA-18-147690	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	J	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0498	—	—	0.033	mg/L	Y	J	J	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	11/01/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2018-677	CAPA-18-147690	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	10/31/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2017-299	CAPA-16-126628	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	11/01/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.456	—	—	0.33	mg/L	Y	J	J	2018-677	CAPA-18-147690	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	10/31/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.538	—	—	0.33	mg/L	Y	J	J	2017-299	CAPA-16-126628	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.337	—	—	0.33	mg/L	Y	J	J	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	11/03/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-256	CAPA-16-105570	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-8.284	1.519	3.399	—	pCi/L	Y	QU	U	2018-2479	CAPA-18-152861	ARSL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.551	0.695	2.311	—	pCi/L	Y	U	U	2015-1003	CAPA-15-93436	ARSL
PCI-2	512.0	10/27/2014	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.694	0.873	2.903	—	pCi/L	Y	U	U	2015-183	CAPA-14-89328	ARSL
PCI-2	512.0	04/15/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.82	0.753	2.26	—	pCi/L	Y	U	U	2013-736	CAPA-13-29666	ARSL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.285	—	—	0.067	µg/L	Y	—	NQ	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.326	—	—	0.067	µg/L	Y	—	NQ	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.314	—	—	0.067	µg/L	Y	—	NQ	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.334	—	—	0.067	µg/L	Y	—	NQ	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.351	—	—	0.067	µg/L	Y	—	U	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.254	0.0281	0.101	—	pCi/L	Y	—	NQ	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.288	0.0276	0.0753	—	pCi/L	Y	—	NQ	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.144	0.0191	0.0827	—	pCi/L	Y	—	J	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.173	0.0222	0.088	—	pCi/L	Y	—	J	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.266	0.029	0.0608	—	pCi/L	Y	—	J	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0547	0.0145	0.0479	—	pCi/L	Y	—	NQ	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0578	0.0151	0.0621	—	pCi/L	Y	U	U	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0129	0.00858	0.0566	—	pCi/L	Y	U	U	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0142	0.00854	0.035	—	pCi/L	Y	U	U	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0112	0.0099	0.0435	—	pCi/L	Y	U	U	2014-3163	CAPA-14-56387	GEL

Table C-1 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
PCI-2	512.0	04/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.0196	0.0618	—	pCi/L	Y	—	NQ	2018-2453	CAPA-18-152861	GEL
PCI-2	512.0	04/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.138	0.0216	0.0612	—	pCi/L	Y	—	NQ	2017-1340	CAPA-17-130554	GEL
PCI-2	512.0	04/14/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.0167	0.0538	—	pCi/L	Y	—	NQ	2016-1066	CAPA-16-114708	GEL
PCI-2	512.0	04/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.0177	0.0391	—	pCi/L	Y	—	J	2015-989	CAPA-15-93436	GEL
PCI-2	512.0	04/08/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.0203	0.0504	—	pCi/L	Y	—	NQ	2014-3163	CAPA-14-56387	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.64	—	—	1	µg/L	Y	J	J	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.52	—	—	1	µg/L	Y	J	J	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.31	—	—	1	µg/L	Y	J	J	2016-1066	CAPA-16-114742	GEL
PCI-2	512.0	11/03/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.53	—	—	1	µg/L	Y	J	J	2016-256	CAPA-16-105598	GEL
PCI-2	512.0	04/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.25	—	—	3.3	µg/L	Y	J	J	2018-2453	CAPA-18-152860	GEL
PCI-2	512.0	11/01/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-677	CAPA-18-147688	GEL
PCI-2	512.0	04/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1340	CAPA-17-130545	GEL
PCI-2	512.0	10/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.89	—	—	3.3	µg/L	Y	J	J	2017-299	CAPA-16-126656	GEL
PCI-2	512.0	04/14/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-1066	CAPA-16-114742	GEL
R-10a	690.0	05/15/2018	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	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	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	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	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	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.6	—	—	1.45	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.5	—	—	1.45	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	35	—	—	1.45	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.8	—	—	1.45	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87	—	—	0.725	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.6	—	—	0.725	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0145	0.00961	0.045	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00446	0.0063	0.0397	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00774	0.00856	0.0644	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00219	0.00656	0.0546	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0202	0.00743	0.044	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0089	0.0425	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.098	—	—	0.017	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0431	—	—	0.017	mg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.299	—	—	0.017	mg/L	Y	—	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0421	—	—	0.017	mg/L	Y	J	U	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.142	—	—	0.017	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.88	—	—	2	µg/L	Y	J	J	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.82	—	—	2	µg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.16	—	—	2	µg/L	Y	J	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.32	—	—	1.7	µg/L	Y	J	J	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.17	—	—	1.7	µg/L	Y	J	J	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.52	—	—	1.7	µg/L	Y	J	J	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	71.7	—	—	1	µg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73.2	—	—	1	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73.7	—	—	1	µg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	79.1	—	—	1	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73.6	—	—	1	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	77	—	—	1	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.1	—	—	15	µg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.4	—	—	15	µg/L	Y	J	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.6	—	—	15	µg/L	Y	J	J	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.6	—	—	15	µg/L	Y	J	J	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.101	—	—	0.067	mg/L	Y	J	J	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.105	—	—	0.067	mg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.144	—	—	0.067	mg/L	Y	J	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.104	—	—	0.067	mg/L	Y	J	J	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0822	—	—	0.067	mg/L	Y	J	J	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0998	—	—	0.067	mg/L	Y	J	J	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26	—	—	0.05	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.8	—	—	0.05	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.4	—	—	0.05	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	29.6	—	—	0.05	mg/L	Y	—	J-	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	27.7	—	—	0.05	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.9	—	—	0.05	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.965	1.04	3.1	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.31	1.61	3.56	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.137	1.04	3.69	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.77	1.1	4.31	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.98	1.41	5.09	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.77	1.69	6.5	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.49	—	—	0.067	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.39	—	—	0.067	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.09	—	—	0.067	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.53	—	—	0.067	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.48	—	—	0.067	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.66	—	—	0.067	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.98	—	—	3	µg/L	Y	J	J	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.89	—	—	3	µg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.17	—	—	3	µg/L	Y	J	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.62	—	—	3	µg/L	Y	J	J	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.72	—	—	2	µg/L	Y	J	J	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.34	—	—	2	µg/L	Y	J	J	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.329	0.854	3.19	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.603	1.07	4.67	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.24	1.09	3.83	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.26	0.93	4.03	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.38	1.57	5.6	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.568	1.85	6.02	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.346	—	—	0.033	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.438	—	—	0.033	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.419	—	—	0.033	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.25	1.17	3	—	pCi/L	Y	—	NQ	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.38	1.08	2.79	—	pCi/L	Y	—	NQ	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	0.719	2.38	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.62	0.899	2.91	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.21	0.597	1.83	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.631	0.794	2.95	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.08	0.522	1.66	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.96	0.932	2.85	—	pCi/L	Y	—	NQ	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.29	0.944	2.79	—	pCi/L	Y	—	NQ	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.32	0.341	1.01	—	pCi/L	Y	—	NQ	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.19	0.918	2.43	—	pCi/L	Y	—	NQ	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.89	0.864	2.34	—	pCi/L	Y	—	J	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.5	—	—	0.453	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.6	—	—	0.453	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.2	—	—	0.453	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	90	—	—	0.453	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.6	—	—	0.453	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.3	—	—	0.453	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.52	—	—	0.11	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.58	—	—	0.11	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.48	—	—	0.11	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.91	—	—	0.11	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.74	—	—	0.11	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.92	—	—	0.11	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.811	—	—	0.2	µg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.864	—	—	0.2	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.809	—	—	0.2	µg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.847	—	—	0.3	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.942	—	—	0.165	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.924	—	—	0.165	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.377	1.94	6.98	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.34	1.89	7.47	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.214	1.69	6.15	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	11.4	3.64	6.94	—	pCi/L	Y	UI	R	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.207	2.81	10.2	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.56	3.04	11.5	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	10	—	—	0.6	µg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11.6	—	—	0.6	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	12.6	—	—	0.6	µg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	13.6	—	—	0.5	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	13.9	—	—	0.5	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	12	—	—	0.5	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.29	—	—	0.085	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.19	—	—	0.017	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.19	—	—	0.017	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.18	—	—	0.017	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.36	—	—	0.085	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.32	—	—	0.085	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.743	—	—	0.05	µg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.725	—	—	0.05	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.778	—	—	0.05	µg/L	Y	—	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.779	—	—	0.05	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.789	—	—	0.05	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.837	—	—	0.05	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00217	0.0113	0.0272	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00776	0.00672	0.0286	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00747	0.00898	0.0451	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0148	0.0256	0.114	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00748	0.00899	0.0502	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.00504	0.0241	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.013	0.00922	0.0405	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00582	0.00643	0.0409	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00747	0.00658	0.0492	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0246	0.0148	0.0863	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00249	0.0103	0.0442	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00411	0.00872	0.0462	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.91	—	—	0.05	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.03	—	—	0.05	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.16	—	—	0.05	mg/L	Y	E	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.16	—	—	0.05	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3	—	—	0.05	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.25	—	—	0.05	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.98	14.1	48.9	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.76	26.3	52.6	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.26	14.2	51.1	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.398	15.5	54.5	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27	15.8	72.7	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.2	18.9	83.9	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.9	—	—	0.053	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.3	—	—	0.053	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.2	—	—	0.053	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.6	—	—	0.053	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.7	—	—	0.053	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	59.6	—	—	0.053	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.62	1.03	3.94	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.255	1.14	4.74	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0135	0.789	2.15	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.205	0.825	3.33	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.06	1.99	7.82	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.02	1.48	6.45	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	1	uS/cm	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	254	—	—	1	uS/cm	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	213	—	—	1	uS/cm	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	—	—	1	uS/cm	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	—	3.63	uS/cm	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	216	—	—	3.63	uS/cm	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	178	—	—	1	µg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	188	—	—	1	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	196	—	—	1	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	184	—	—	1	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	—	—	1	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.204	0.137	0.459	—	pCi/L	Y	U	U	2018-2559	CASA-18-154779	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0152	0.12	0.45	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.161	0.125	0.492	—	pCi/L	Y	U	U	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.215	0.108	0.346	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.227	0.145	0.48	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.107	0.126	0.488	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	—	0.133	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.5	—	—	0.133	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	—	0.133	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.9	—	—	0.133	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-949	CASA-18-147963	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	08/09/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2426	CASA-17-142035	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1522	CASA-17-132341	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.97	—	—	2.5	µg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.66	—	—	2.5	µg/L	Y	J	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	3.4	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	184	—	—	3.4	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	—	3.4	mg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	174	—	—	3.4	mg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.55	—	—	0.33	mg/L	Y	J	J	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.506	—	—	0.33	mg/L	Y	J	J	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.37	—	—	0.33	mg/L	Y	J	J	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.359	—	—	0.33	mg/L	Y	J	J	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0609	—	—	0.02	mg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.02	mg/L	Y	U	U	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.241	—	—	0.02	mg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2016-1215	CASA-16-115487	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.695	1.151	3.87	—	pCi/L	Y	U	U	2018-2572	CASA-18-154779	ARSL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.985	0.709	2.409	—	pCi/L	Y	QU	U	2018-940	CASA-18-147963	ARSL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.343	0.807	2.752	—	pCi/L	Y	U	U	2017-1557	CASA-17-132341	ARSL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.301	0.626	2.141	—	pCi/L	Y	U	U	2017-543	CASA-17-127314	ARSL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.436	0.564	1.877	—	pCi/L	Y	U	U	2016-1239	CASA-16-115478	ARSL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.636	0.64	2.11	—	pCi/L	Y	U	U	2016-400	CASA-16-106239	ARSL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.71	—	—	0.067	µg/L	Y	—	J+	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.82	—	—	0.067	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.68	—	—	0.067	µg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.94	—	—	0.067	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.16	—	—	0.067	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.81	—	—	0.067	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.999	0.0464	0.0688	—	pCi/L	Y	—	NQ	2018-2559	CASA-18-154779	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.16	0.073	0.193	—	pCi/L	Y	—	NQ	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.11	0.049	0.0626	—	pCi/L	Y	—	NQ	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.15	0.0631	0.139	—	pCi/L	Y	—	NQ	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.1	0.0575	0.11	—	pCi/L	Y	—	NQ	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.05	0.0545	0.0893	—	pCi/L	Y	—	NQ	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0624	0.0138	0.0498	—	pCi/L	Y	—	NQ	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0575	0.0194	0.0847	—	pCi/L	Y	U	U	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0802	0.0151	0.0517	—	pCi/L	Y	—	J	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0296	0.0124	0.0938	—	pCi/L	Y	U	U	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0609	0.0167	0.0754	—	pCi/L	Y	U	U	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0372	0.0122	0.0779	—	pCi/L	Y	U	U	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.541	0.034	0.0455	—	pCi/L	Y	—	NQ	2018-2559	CASA-18-154779	GEL
R-10a	690.0	11/16/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.525	0.0486	0.114	—	pCi/L	Y	—	NQ	2018-949	CASA-18-147963	GEL
R-10a	690.0	05/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.662	0.0387	0.0509	—	pCi/L	Y	—	NQ	2017-1522	CASA-17-132341	GEL
R-10a	690.0	11/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.6	0.0457	0.106	—	pCi/L	Y	—	NQ	2017-545	CASA-17-127314	GEL
R-10a	690.0	05/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.625	0.0438	0.0716	—	pCi/L	Y	—	NQ	2016-1215	CASA-16-115478	GEL
R-10a	690.0	11/23/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.602	0.0407	0.0882	—	pCi/L	Y	—	NQ	2016-395	CASA-16-106239	GEL
R-10a	690.0	05/15/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.18	—	—	1	µg/L	Y	—	NQ	2018-2559	CASA-18-154778	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.02	—	—	1	µg/L	Y	—	NQ	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.47	—	—	1	µg/L	Y	—	NQ	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.04	—	—	1	µg/L	Y	—	NQ	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.06	—	—	1	µg/L	Y	—	NQ	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.19	—	—	1	µg/L	Y	—	NQ	2016-395	CASA-16-106252	GEL
R-10a	690.0	11/16/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.67	—	—	3.3	µg/L	Y	J	J	2018-949	CASA-18-147960	GEL
R-10a	690.0	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.83	—	—	3.3	µg/L	Y	J	J	2017-1522	CASA-17-132339	GEL
R-10a	690.0	11/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.87	—	—	3.3	µg/L	Y	J	J	2017-545	CASA-17-127318	GEL
R-10a	690.0	05/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.82	—	—	3.3	µg/L	Y	J	J	2016-1215	CASA-16-115487	GEL
R-10a	690.0	11/23/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.02	—	—	3.3	µg/L	Y	J	J	2016-395	CASA-16-106252	GEL
R-12 S1	459.0	07/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.439	0.813	2.758	—	pCi/L	Y	U	U	2017-2314	CASA-17-142036	ARSL
R-12 S1	459.0	08/03/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	33.436	5.149	2.203	—	pCi/L	Y	—	J-	2016-2034	CASA-16-124325	ARSL
R-12 S1	459.0	08/18/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	42.695	6.528	2.228	—	pCi/L	Y	—	NQ	2015-2209	CASA-15-102634	ARSL
R-12 S1	459.0	07/16/2014	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	26.635	4.11	1.855	—	pCi/L	Y	—	J-	2014-3872	CASA-14-84037	ARSL
R-12 S1	459.0	07/25/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.728	0.703	2.104	—	pCi/L	Y	U	U	2013-1438	CASA-13-37010	ARSL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	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	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	1.45	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	1.45	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.1	—	—	0.725	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	0.725	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.3	—	—	0.725	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00561	0.00561	0.0481	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00687	0.00512	0.0305	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.017	0.00727	0.039	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0101	0.00891	0.0422	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00673	0.00594	0.0308	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0299	—	—	0.017	mg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0955	—	—	0.017	mg/L	Y	—	U	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0804	—	—	0.017	mg/L	Y	—	U	2013-1294	CASA-13-37019	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0846	—	—	0.017	mg/L	Y	—	U	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.57	—	—	2	µg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.28	—	—	1.7	µg/L	Y	J	J	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.49	—	—	1.7	µg/L	Y	J	J	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.2	—	—	1	µg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	11.3	—	—	1	µg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	11.6	—	—	1	µg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	13.8	—	—	1	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	13.2	—	—	1	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.4	—	—	15	µg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16	—	—	15	µg/L	Y	J	J	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.6	—	—	15	µg/L	Y	J	J	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	53.3	—	—	15	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.5	—	—	15	µg/L	Y	J	J	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0824	—	—	0.067	mg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0819	—	—	0.067	mg/L	Y	J	J	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0756	—	—	0.067	mg/L	Y	J	J	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0796	—	—	0.067	mg/L	Y	J	J	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0951	—	—	0.067	mg/L	Y	J	J	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.2	—	—	0.05	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.157	0.864	3.1	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.905	1.24	4.43	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.07	1.14	4.16	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.34	1.47	5.57	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.848	1.38	5.01	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.35	—	—	0.067	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.02	—	—	0.067	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.96	—	—	0.067	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.59	—	—	0.067	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.23	—	—	0.067	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.17	0.821	2.76	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.488	1.46	5.72	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.1	1.12	3.8	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.36	1.55	6.19	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.00691	1.5	5.91	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.276	—	—	0.033	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.301	—	—	0.033	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.307	—	—	0.033	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.86	0.936	2.85	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.53	0.886	2.83	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.08	0.832	2.87	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.219	0.592	2.85	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.375	0.501	2.41	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.24	0.963	2.97	—	pCi/L	Y	—	NQ	2017-2169	CASA-17-142037	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3	0.771	2.4	—	pCi/L	Y	—	NQ	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.14	0.823	2.72	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.79	0.799	2.5	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.37	0.858	2.83	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.8	—	—	0.453	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.2	—	—	0.453	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.1	—	—	0.453	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.3	—	—	0.453	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.7	—	—	0.453	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.84	—	—	0.11	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.46	—	—	0.11	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.79	—	—	0.11	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.86	—	—	0.11	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.88	—	—	0.11	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	31.8	—	—	2	µg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	29.1	—	—	2	µg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	29	—	—	2	µg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	31.2	—	—	2	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	31.6	—	—	2	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.2	µg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.165	µg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.165	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.04	1.6	6.33	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.667	2.44	8.7	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.587	2.22	7.94	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.41	2.44	8.67	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.608	3.11	11.2	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.017	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.2	—	—	0.017	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.25	—	—	0.085	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.02	—	—	0.085	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.51	—	—	0.085	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.838	—	—	0.05	µg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.817	—	—	0.05	µg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.863	—	—	0.05	µg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.838	—	—	0.05	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.901	—	—	0.05	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00786	0.00786	0.0633	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00692	0.00765	0.0367	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0115	0.00693	0.0463	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00299	0.00519	0.0339	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00488	0.0164	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0183	0.0126	0.0688	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00231	0.00893	0.0425	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00000000154	0.0073	0.0413	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00599	0.00599	0.0386	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00488	0.00488	0.0294	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.23	—	—	0.05	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.21	—	—	0.05	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.6	19.7	41.5	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.3	21.9	41.1	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21	20.3	41.5	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	33.7	19	71.4	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.36	17.5	71.5	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	44.9	—	—	0.053	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	44.8	—	—	0.053	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	46.8	—	—	0.053	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	50.4	—	—	0.053	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48	—	—	0.053	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.96	—	—	0.1	mg/L	Y	E	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.251	0.812	3.09	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.81	1.3	5.94	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.509	1.12	2.74	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.45	1.52	5.58	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0886	1.27	4.98	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193	—	—	1	uS/cm	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	163	—	—	3.63	uS/cm	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	uS/cm	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	uS/cm	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	uS/cm	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	77.2	—	—	1	µg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	66.4	—	—	1	µg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.7	—	—	1	µg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	74.5	—	—	1	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	73.1	—	—	1	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.197	0.146	0.49	—	pCi/L	Y	U	U	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.151	0.12	0.485	—	pCi/L	Y	U	U	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.141	0.107	0.451	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.144	0.135	0.49	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.211	0.147	0.49	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.34	—	—	0.133	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.83	—	—	0.133	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.54	—	—	0.133	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.43	—	—	0.133	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.88	—	—	0.133	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.69	—	—	2.5	µg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2015-2192	CASA-15-102649	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	85.7	—	—	3.4	mg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.44	—	—	0.33	mg/L	Y	J	J	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.426	—	—	0.33	mg/L	Y	J	J	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.462	—	—	0.33	mg/L	Y	J	J	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.63	—	—	0.33	mg/L	Y	—	NQ	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.706	—	—	0.33	mg/L	Y	J	J	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0366	—	—	0.02	mg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.02	—	—	0.02	mg/L	Y	J	J	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0171	—	—	0.017	mg/L	Y	J	J	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0171	—	—	0.017	mg/L	Y	J	J	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.065	—	—	0.017	mg/L	Y	—	U	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.971	0.742	2.442	—	pCi/L	Y	U	U	2017-2314	CASA-17-142037	ARSL
R-12 S2	504.5	02/01/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	14.2002	0.483	0.2898	—	pCi/L	Y	—	NQ	2176	UU0601G12R201	UMTL
R-12 S2	504.5	01/28/2004	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-18.6	69.5	230	—	pCi/L	Y	U	U	106416	GU0311G12R201	GEL
R-12 S2	504.5	01/28/2004	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	60.7614	1.932	—	0.2898	pCi/L	Y	—	NQ	1844	UU0311G12R201	UMTL
R-12 S2	504.5	08/01/2002	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	87.1654	1.6422	—	0.2898	pCi/L	Y	—	NQ	JB1643	UU0207G12R201	UMTL
R-12 S2	504.5	09/10/2001	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	78.89	2.898	—	—	pCi/L	Y	—	NQ	9751R	GW12-01-0017	UMTL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.538	—	—	0.067	µg/L	Y	—	NQ	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.527	—	—	0.067	µg/L	Y	—	NQ	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.485	—	—	0.067	µg/L	Y	—	U	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.453	—	—	0.067	µg/L	Y	—	NQ	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.45	—	—	0.067	µg/L	Y	—	NQ	12-1510	CASA-12-21776	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.412	0.0338	0.0631	—	pCi/L	Y	—	NQ	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.347	0.0284	0.067	—	pCi/L	Y	—	NQ	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.334	0.037	0.152	—	pCi/L	Y	—	NQ	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.293	0.025	0.0408	—	pCi/L	Y	—	NQ	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.273	0.0279	0.0617	—	pCi/L	Y	—	NQ	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0761	0.0165	0.0534	—	pCi/L	Y	—	NQ	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0637	0.0164	0.0601	—	pCi/L	Y	—	NQ	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0238	0.0122	0.107	—	pCi/L	Y	U	U	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00973	0.00769	0.0238	—	pCi/L	Y	U	U	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00286	0.00756	0.0398	—	pCi/L	Y	U	U	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.225	0.0262	0.0522	—	pCi/L	Y	—	J	2017-2169	CASA-17-142037	GEL
R-12 S2	504.5	08/03/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.204	0.025	0.0539	—	pCi/L	Y	—	NQ	2016-1902	CASA-16-124326	GEL
R-12 S2	504.5	08/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.0268	0.141	—	pCi/L	Y	—	NQ	2015-2192	CASA-15-102635	GEL
R-12 S2	504.5	07/22/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.157	0.0182	0.0329	—	pCi/L	Y	—	NQ	2013-1294	CASA-13-37011	GEL
R-12 S2	504.5	08/20/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.0177	0.0313	—	pCi/L	Y	—	NQ	12-1510	CASA-12-21770	GEL
R-12 S2	504.5	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.51	—	—	1	µg/L	Y	J	J	2017-2169	CASA-17-142030	GEL
R-12 S2	504.5	08/03/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.95	—	—	1	µg/L	Y	J	J	2016-1902	CASA-16-124342	GEL
R-12 S2	504.5	08/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.87	—	—	1	µg/L	Y	J	J	2015-2192	CASA-15-102649	GEL
R-12 S2	504.5	07/22/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.94	—	—	1	µg/L	Y	J	J	2013-1294	CASA-13-37019	GEL
R-12 S2	504.5	08/20/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.93	—	—	1	µg/L	Y	J	J	12-1510	CASA-12-21776	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.28	—	—	0.01	SU	Y	H	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.5	—	—	1.45	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.3	—	—	0.725	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.2	—	—	0.725	mg/L	Y	—	J+	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.3	—	—	0.725	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.4	—	—	0.725	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00996	0.0149	0.0427	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00619	0.019	0.0458	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0105	0.00829	0.0422	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0039	0.0323	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0028	0.00484	0.035	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0341	—	—	0.017	mg/L	Y	J	J	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0633	—	—	0.017	mg/L	Y	—	U	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0461	—	—	0.017	mg/L	Y	J	U	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.13	—	—	2	µg/L	Y	J	J	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.01	—	—	1.7	µg/L	Y	J	J	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.72	—	—	1.7	µg/L	Y	J	J	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.71	—	—	1.7	µg/L	Y	J	J	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.74	—	—	1.7	µg/L	Y	J	J	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.4	—	—	1	µg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.3	—	—	1	µg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.6	—	—	1	µg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.8	—	—	1	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	19.4	—	—	1	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.3	—	—	15	µg/L	Y	J	J	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.6	—	—	15	µg/L	Y	J	J	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	29	—	—	15	µg/L	Y	J	J	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.2	—	—	15	µg/L	Y	J	J	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	16	—	—	15	µg/L	Y	J	J	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.5	—	—	0.05	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.4	—	—	0.05	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.3	—	—	0.05	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.231	1.02	3.67	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.608	1.18	4.09	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.526	0.936	3.37	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.232	1.35	4.75	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.38	1.54	5.24	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.72	—	—	0.067	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.7	—	—	0.067	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.7	—	—	0.067	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.71	—	—	0.067	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.64	—	—	0.067	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.29	1.03	3.95	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.43	1.35	4.14	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.48	1.06	3.61	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.57	1.4	5.67	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.19	1.39	5.01	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.301	—	—	0.033	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.274	—	—	0.033	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.37	—	—	0.033	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.46	1.2	2.92	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142061	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.78	0.903	2.87	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.648	0.824	2.93	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.99	0.922	2.7	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.537	0.267	2.19	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.17	0.868	2.4	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.34	0.41	1.19	—	pCi/L	Y	—	NQ	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.89	0.946	2.76	—	pCi/L	Y	—	NQ	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.4	0.834	2.46	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.83	0.844	2.73	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.3	—	—	0.453	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.5	—	—	0.453	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.1	—	—	0.453	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.4	—	—	0.453	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.7	—	—	0.453	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.69	—	—	0.11	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.66	—	—	0.11	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.8	—	—	0.11	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.7	—	—	0.11	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.81	—	—	0.11	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.38	—	—	2	µg/L	Y	J	J	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.1	—	—	2	µg/L	Y	J	J	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.99	—	—	2	µg/L	Y	J	J	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	11.2	—	—	2	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.2	—	—	2	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.2	µg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.4	1.95	6.72	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.31	2.17	6.69	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.23	2.14	7.85	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.59	2.57	9.62	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.42	2.69	9.37	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.503	—	—	0.017	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.468	—	—	0.017	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.443	—	—	0.017	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.507	—	—	0.017	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.417	—	—	0.017	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.425	—	—	0.05	µg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.417	—	—	0.05	µg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.45	—	—	0.05	µg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.412	—	—	0.05	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.461	—	—	0.05	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0312	0.0104	0.0627	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00682	0.00508	0.0361	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00278	0.0114	0.0557	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0036	0.00623	0.0435	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0066	0.0305	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0104	0.00636	0.0682	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00454	0.0085	0.0418	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00555	0.00878	0.0497	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0144	0.00881	0.0756	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00539	0.00539	0.0347	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.73	—	—	0.05	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.76	—	—	0.05	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.89	—	—	0.05	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.9	—	—	0.05	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.75	—	—	0.05	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.69	16.1	43.6	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.1	14.1	35.7	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.82	13.5	48	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.8	16.4	66.3	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.26	19	71.5	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	50.9	—	—	0.053	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.5	—	—	0.053	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.8	—	—	0.053	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.2	—	—	0.053	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.9	—	—	0.053	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	E	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.37	0.74	2.29	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.52	1.16	5.3	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0503	1.06	4.05	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.724	1.12	4.57	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.77	1.71	7.06	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	1	uS/cm	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	3.63	uS/cm	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	1	uS/cm	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	uS/cm	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	uS/cm	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	—	—	1	µg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	179	—	—	1	µg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	178	—	—	1	µg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	177	—	—	1	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	176	—	—	1	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.322	0.119	0.486	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.303	0.106	0.48	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.335	0.137	0.423	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.144	0.1	0.379	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.297	0.152	0.496	—	pCi/L	Y	U	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.98	—	—	0.133	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.86	—	—	0.133	mg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.133	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.95	—	—	0.133	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.82	—	—	0.133	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.22	—	—	2.5	µg/L	Y	J	J	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-2208	CAMO-15-102600	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	J	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	3.4	mg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0384	—	—	0.02	mg/L	Y	J	J	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0406	—	—	0.02	mg/L	Y	J	J	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	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	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0492	—	—	0.017	mg/L	Y	J	J	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.768	0.738	2.525	—	pCi/L	Y	U	U	2017-2314	CAMO-17-142061	ARSL
R-16 S2	863.4	08/28/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.2254	0.2898	0.2898	—	pCi/L	Y	—	U	2387	UU07080G16R201	UMTL
R-16 S2	863.4	06/06/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.1288	0.2898	0.2898	—	pCi/L	Y	—	U	2351	UU07060G16R201	UMTL
R-16 S2	863.4	06/13/2005	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	201	62.4	196	—	pCi/L	Y	—	J	138675	GU0506G16R201	GEL
R-16 S2	863.4	12/02/2004	WG	UF	RE	REG	RAD	Generic:LLEE	Tritium	H-3	Y	0.9016	0.2898	—	0.2898	pCi/L	Y	—	NQ	1991	UU0411G16R201	UMTL
R-16 S2	863.4	12/02/2004	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.0966	0.2898	—	0.2898	pCi/L	N	—	U	1991	UU0411G16R201	UMTL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.067	µg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.12	—	—	0.067	µg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.067	µg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.08	—	—	0.067	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.19	—	—	0.067	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.69	0.0397	0.0528	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.672	0.0504	0.105	—	pCi/L	Y	—	NQ	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.571	0.0487	0.16	—	pCi/L	Y	—	NQ	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.532	0.0367	0.0604	—	pCi/L	Y	—	NQ	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.512	0.0359	0.0518	—	pCi/L	Y	—	J	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0388	0.0124	0.0447	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00435	0.0144	0.0944	—	pCi/L	Y	U	U	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0504	0.0171	0.113	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0302	0.0105	0.0364	—	pCi/L	Y	U	U	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0309	0.0107	0.0303	—	pCi/L	Y	—	U	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.472	0.033	0.0437	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142061	GEL
R-16 S2	863.4	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.37	0.0381	0.0847	—	pCi/L	Y	—	NQ	2016-1934	CAMO-16-124264	GEL
R-16 S2	863.4	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.327	0.0371	0.149	—	pCi/L	Y	—	NQ	2015-2208	CAMO-15-102576	GEL
R-16 S2	863.4	07/23/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.356	0.0297	0.0539	—	pCi/L	Y	—	NQ	2014-4008	CAMO-14-81572	GEL
R-16 S2	863.4	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.395	0.0316	0.0418	—	pCi/L	Y	—	J	2013-1334	CAMO-13-37034	GEL
R-16 S2	863.4	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.1	—	—	1	µg/L	Y	—	NQ	2017-2169	CAMO-17-142054	GEL
R-16 S2	863.4	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	2016-1934	CAMO-16-124288	GEL
R-16 S2	863.4	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	2015-2208	CAMO-15-102600	GEL
R-16 S2	863.4	07/23/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14	—	—	1	µg/L	Y	—	NQ	2014-4008	CAMO-14-81581	GEL
R-16 S2	863.4	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	2013-1334	CAMO-13-37043	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	—	0.01	SU	Y	H	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	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	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	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	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.3	—	—	1.45	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.3	—	—	1.45	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.4	—	—	0.725	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.725	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.6	—	—	0.725	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0153	0.00788	0.0374	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00237	0.0119	0.0344	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00754	0.0135	0.0404	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00583	0.00583	0.0342	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00614	0.00752	0.0257	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0695	—	—	0.017	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0797	—	—	0.017	mg/L	Y	—	U	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0503	—	—	0.017	mg/L	Y	—	U	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.358	—	—	0.017	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.17	—	—	2	µg/L	Y	J	J	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.31	—	—	1.7	µg/L	Y	J	J	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.62	—	—	1.7	µg/L	Y	J	J	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.44	—	—	1.7	µg/L	Y	J	J	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.4	—	—	1.7	µg/L	Y	J	J	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	54.7	—	—	1	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	53.1	—	—	1	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	54.9	—	—	1	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	46.3	—	—	1	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	47.8	—	—	1	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.2	—	—	15	µg/L	Y	J	J	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.6	—	—	15	µg/L	Y	J	J	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.2	—	—	15	µg/L	Y	J	J	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24.4	—	—	15	µg/L	Y	J	J	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.6	—	—	15	µg/L	Y	J	J	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.5	—	—	0.05	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.5	—	—	0.05	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.9	—	—	0.05	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.33	1.35	4.66	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.152	1.6	5.86	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.00346	1.15	3.99	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.2	1.34	5.12	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.99	1.28	5.17	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.29	—	—	0.067	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.37	—	—	0.067	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.32	—	—	0.067	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.37	—	—	0.067	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.32	—	—	0.067	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.16	1.15	4.89	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.07	1.52	5.59	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.661	0.9	3.57	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.89	1.26	3.2	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.67	1.16	3.9	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.291	—	—	0.033	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.335	—	—	0.033	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.385	—	—	0.033	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.67	1.86	2.9	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142062	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.367	0.792	2.89	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.46	0.918	2.95	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.8	0.925	2.79	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.759	0.64	2.24	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.92	0.911	2.07	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.93	0.31	0.916	—	pCi/L	Y	—	NQ	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.78	0.825	2.53	—	pCi/L	Y	—	NQ	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.34	0.582	1.79	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.13	0.895	2.83	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.2	—	—	0.453	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53	—	—	0.453	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.7	—	—	0.453	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.3	—	—	0.453	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.3	—	—	0.453	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.1	—	—	0.11	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.08	—	—	0.11	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.22	—	—	0.11	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.18	—	—	0.11	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.35	—	—	0.11	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	54.1	—	—	2	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	56.8	—	—	2	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	62.4	—	—	2	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	64.7	—	—	2	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	68	—	—	2	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.2	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.68	—	—	0.165	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.165	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.75	1.9	7.42	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.229	2.74	9.92	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.516	2.17	7.44	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.159	2.39	8.45	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.454	2.36	8.43	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.447	—	—	0.017	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.43	—	—	0.017	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.427	—	—	0.017	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.478	—	—	0.017	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.383	—	—	0.017	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.397	—	—	0.05	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.333	—	—	0.05	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.395	—	—	0.05	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.381	—	—	0.05	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.371	—	—	0.05	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00447	0.00836	0.0539	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0043	0.0068	0.0342	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00223	0.0067	0.0448	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00659	0.00807	0.0398	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00696	0.0311	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0268	0.0138	0.0587	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0129	0.0086	0.0396	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00223	0.00499	0.04	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00658	0.0123	0.0692	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0184	0.0467	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.8	—	—	0.05	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.86	—	—	0.05	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.95	—	—	0.05	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.77	—	—	0.05	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.85	—	—	0.05	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.01	14.8	64.2	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	24.6	15.5	71.6	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.17	14.7	53.2	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.19	16.4	64.8	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.54	16.8	62.9	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42.5	—	—	0.053	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	43.8	—	—	0.053	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	45.1	—	—	0.053	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42.7	—	—	0.053	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.7	—	—	0.053	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	E	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.2	—	—	0.1	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15	—	—	0.1	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.4	—	—	0.1	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.782	1.26	5.08	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.36	1.51	6.53	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.588	1.31	3.98	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.09	1.67	4.99	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.359	1.27	5.04	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193	—	—	1	uS/cm	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	—	3.63	uS/cm	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	1	uS/cm	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	1	uS/cm	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	uS/cm	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	236	—	—	1	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	223	—	—	1	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	213	—	—	1	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	209	—	—	1	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	222	—	—	1	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0387	0.133	0.494	—	pCi/L	Y	U	U	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.368	0.126	0.498	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00835	0.0712	0.244	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.135	0.457	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.118	0.143	0.497	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	—	0.133	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	—	0.133	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.133	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.58	—	—	0.133	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	—	0.133	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.79	—	—	2.5	µg/L	Y	J	J	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-2208	CAMO-15-102601	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	100	—	—	25	µg/L	Y	U	U	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.506	—	—	0.33	mg/L	Y	J	J	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.524	—	—	0.33	mg/L	Y	J	J	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.462	—	—	0.33	mg/L	Y	J	J	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.458	—	—	0.33	mg/L	Y	J	J	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.741	—	—	0.33	mg/L	Y	J	J	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.113	—	—	0.02	mg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.141	—	—	0.02	mg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0994	—	—	0.017	mg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0829	—	—	0.017	mg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.139	—	—	0.017	mg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.276	2.764	2.318	—	pCi/L	Y	—	J-	2017-2314	CAMO-17-142062	ARSL
R-16 S4	1237.0	08/29/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.2254	0.2898	0.2898	—	pCi/L	Y	—	U	2387	UU07080G16R401	UMTL
R-16 S4	1237.0	06/06/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.1288	0.2898	0.2898	—	pCi/L	Y	—	U	2351	UU07060G16R401	UMTL
R-16 S4	1237.0	06/14/2005	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	77	53.6	177	—	pCi/L	Y	U	U	138800	GU0506G16R401	GEL
R-16 S4	1237.0	12/07/2004	WG	UF	RE	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.3542	0.2898	—	0.2898	pCi/L	N	—	U	1991	UU0411G16R401	UMTL
R-16 S4	1237.0	12/07/2004	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.0966	0.2898	—	0.2898	pCi/L	Y	—	U	1991	UU0411G16R401	UMTL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.24	—	—	0.067	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.3	—	—	0.067	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.51	—	—	0.067	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.56	—	—	0.067	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.38	—	—	0.067	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.718	0.038	0.0457	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.673	0.0449	0.0868	—	pCi/L	Y	—	NQ	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.724	0.0546	0.159	—	pCi/L	Y	—	NQ	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.699	0.0488	0.0806	—	pCi/L	Y	—	NQ	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.758	0.0455	0.0581	—	pCi/L	Y	—	J	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0647	0.0133	0.0387	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	0.0129	0.0778	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0897	0.022	0.112	—	pCi/L	Y	U	U	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0362	0.0133	0.0485	—	pCi/L	Y	U	U	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0265	0.0105	0.0356	—	pCi/L	Y	U	U	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.434	0.0298	0.0378	—	pCi/L	Y	—	NQ	2017-2169	CAMO-17-142062	GEL
R-16 S4	1237.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.389	0.0341	0.0698	—	pCi/L	Y	—	NQ	2016-1931	CAMO-16-124265	GEL
R-16 S4	1237.0	08/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.436	0.0432	0.147	—	pCi/L	Y	—	NQ	2015-2208	CAMO-15-102577	GEL
R-16 S4	1237.0	07/22/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.449	0.039	0.0719	—	pCi/L	Y	—	NQ	2014-3989	CAMO-14-81573	GEL
R-16 S4	1237.0	07/25/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.429	0.0345	0.0504	—	pCi/L	Y	—	J	2013-1370	CAMO-13-37035	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.7	—	—	1	µg/L	Y	—	NQ	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.4	—	—	1	µg/L	Y	—	NQ	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.4	—	—	1	µg/L	Y	—	NQ	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.5	—	—	1	µg/L	Y	—	NQ	2014-3989	CAMO-14-81582	GEL
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	12.7	—	—	1	µg/L	Y	—	NQ	2013-1370	CAMO-13-37044	GEL
R-16 S4	1237.0	07/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.28	—	—	3.3	µg/L	Y	J	J	2017-2169	CAMO-17-142055	GEL
R-16 S4	1237.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.78	—	—	3.3	µg/L	Y	J	J	2016-1931	CAMO-16-124289	GEL
R-16 S4	1237.0	08/19/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.22	—	—	3.3	µg/L	Y	J	J	2015-2208	CAMO-15-102601	GEL
R-16 S4	1237.0	07/22/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.91	—	—	3.3	µg/L	Y	J	J	2014-3989	CAMO-14-81582	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16 S4	1237.0	07/25/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.46	—	—	3.3	µg/L	Y	J	J	2013-1370	CAMO-13-37044	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	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	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	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	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.9	—	—	1.45	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.3	—	—	1.45	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.6	—	—	0.725	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.6	—	—	0.725	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00379	0.00757	0.0324	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00851	0.0124	0.0439	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000111	0.00627	0.0356	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00515	0.00728	0.0488	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.014	0.00742	0.0351	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0176	—	—	0.017	mg/L	Y	J	J	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.114	—	—	0.017	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0344	—	—	0.017	mg/L	Y	J	J	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0527	—	—	0.017	mg/L	Y	—	U	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.38	—	—	2	µg/L	Y	J	J	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.31	—	—	1.7	µg/L	Y	J	J	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.63	—	—	1.7	µg/L	Y	J	J	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.49	—	—	1.7	µg/L	Y	J	J	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	58	—	—	1	µg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	60	—	—	1	µg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	63.1	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	63.5	—	—	1	µg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.7	—	—	1	µg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.3	—	—	15	µg/L	Y	J	J	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.4	—	—	15	µg/L	Y	J	J	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.8	—	—	15	µg/L	Y	J	J	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.9	—	—	15	µg/L	Y	J	J	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.3	—	—	15	µg/L	Y	J	J	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.8	—	—	0.05	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.1	—	—	0.05	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.216	1.75	5.58	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.28	1.43	4.82	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.7	1.33	4.06	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.4	1.32	4.96	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.904	1.61	5.75	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.38	—	—	0.067	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.48	—	—	0.067	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.43	—	—	0.067	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.39	—	—	0.067	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.4	—	—	0.067	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.42	—	—	3	µg/L	Y	J	J	2017-2223	CAMO-17-142056	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.45	—	—	2	µg/L	Y	J	J	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.66	—	—	2	µg/L	Y	J	J	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.89	—	—	2	µg/L	Y	J	J	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.64	—	—	2	µg/L	Y	J	J	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.93	1.56	6.47	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.584	1.28	4.85	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.15	1.03	3.47	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.881	1.4	5.09	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.38	1.62	5.1	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.337	—	—	0.033	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.315	—	—	0.033	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.403	—	—	0.033	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	—	0.033	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	—	0.033	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.49	0.61	1.86	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.65	0.886	2.8	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.409	0.736	2.82	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.517	0.641	2.38	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.869	0.767	2.72	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.36	0.69	1.71	—	pCi/L	Y	—	NQ	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.68	0.57	1.8	—	pCi/L	Y	—	NQ	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.9	0.933	2.73	—	pCi/L	Y	—	NQ	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.53	0.646	2.01	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.7	0.974	2.8	—	pCi/L	Y	—	NQ	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.9	—	—	0.453	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.5	—	—	0.453	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54	—	—	0.453	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.6	—	—	0.453	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.4	—	—	0.453	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.713	—	—	0.11	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.723	—	—	0.11	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.849	—	—	0.11	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.797	—	—	0.11	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.804	—	—	0.11	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.2	µg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.991	—	—	0.165	µg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.36	2.48	8.17	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.16	2.74	9.48	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.19	2.26	7.96	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.64	3.02	11.2	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.939	2.63	9.55	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.466	—	—	0.017	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.483	—	—	0.017	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.479	—	—	0.017	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.51	—	—	0.017	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.439	—	—	0.017	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.39	—	—	0.05	µg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.377	—	—	0.05	µg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.387	—	—	0.05	µg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600.0	07/16/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.385	—	—	0.05	µg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.384	—	—	0.05	µg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0142	0.00751	0.0573	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0152	0.00655	0.0269	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00228	0.0109	0.0457	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00242	0.00998	0.025	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00275	0.00615	0.0311	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00237	0.00712	0.0623	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000253	0.00756	0.0311	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00684	0.0131	0.0408	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00968	0.00765	0.0476	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0193	0.00825	0.0354	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.15	—	—	0.05	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.08	19.4	72.5	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.91	17.5	71.2	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.7	21.3	38.8	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.6	20.6	66	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	17.1	41.4	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	38.9	—	—	0.053	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	40.5	—	—	0.053	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41.4	—	—	0.053	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41.4	—	—	0.053	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.7	—	—	0.053	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15	—	—	0.1	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.3	—	—	0.1	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.9	—	—	0.1	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.4	—	—	0.1	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.33	1.54	4.82	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.921	1.2	4.42	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.05	1.24	4.25	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.409	1.27	4.82	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.531	1.28	4.82	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193	—	—	1	uS/cm	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	163	—	—	3.63	uS/cm	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	—	—	1	uS/cm	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	200	—	—	1	uS/cm	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	uS/cm	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	184	—	—	1	µg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	181	—	—	1	µg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	187	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	—	—	1	µg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	184	—	—	1	µg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0404	0.134	0.482	—	pCi/L	Y	U	U	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.179	0.116	0.48	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.127	0.144	0.491	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0661	0.12	0.45	—	pCi/L	Y	U	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.251	0.133	0.494	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.5	—	—	0.133	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.51	—	—	0.133	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.58	—	—	0.133	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.54	—	—	0.133	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.43	—	—	0.133	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	100	—	—	3.4	mg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	103	—	—	3.4	mg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0421	—	—	0.02	mg/L	Y	J	J	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	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	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	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	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.544	0.683	2.337	—	pCi/L	Y	U	U	2017-2314	CAMO-17-142063	ARSL
R-16r	600.0	11/13/2007	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.0966	0.2898	0.2898	—	pCi/L	Y	U	U	08-222	CAMO-08-8602	UMTL
R-16r	600.0	08/20/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.3542	0.2898	0.2898	—	pCi/L	Y	—	R	2385	UU07080GR16A01	UMTL
R-16r	600.0	06/13/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.322	0.2898	0.2898	—	pCi/L	Y	—	U	2354	UU07060GR16A01	UMTL
R-16r	600.0	03/14/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.322	0.2898	0.2898	—	pCi/L	Y	—	R	2319	UU07020GR16A01	UMTL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.16	—	—	0.067	µg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.2	—	—	0.067	µg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.33	—	—	0.067	µg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.2	—	—	0.067	µg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.24	—	—	0.067	µg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.812	0.042	0.049	—	pCi/L	Y	—	NQ	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.692	0.0357	0.0537	—	pCi/L	Y	—	NQ	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.777	0.0535	0.141	—	pCi/L	Y	—	NQ	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.763	0.0404	0.0453	—	pCi/L	Y	—	NQ	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.76	0.0412	0.0426	—	pCi/L	Y	—	NQ	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0694	0.0148	0.0415	—	pCi/L	Y	—	NQ	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0111	0.00735	0.0481	—	pCi/L	Y	U	U	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.084	0.02	0.0996	—	pCi/L	Y	U	U	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0312	0.0104	0.0294	—	pCi/L	Y	—	U	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0127	0.00984	0.0249	—	pCi/L	Y	U	U	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.434	0.031	0.0405	—	pCi/L	Y	—	NQ	2017-2223	CAMO-17-142063	GEL
R-16r	600.0	08/04/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.384	0.0265	0.0432	—	pCi/L	Y	—	NQ	2016-1931	CAMO-16-124266	GEL
R-16r	600.0	08/14/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.425	0.0398	0.131	—	pCi/L	Y	—	NQ	2015-2166	CAMO-15-102578	GEL
R-16r	600.0	07/16/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.336	0.0269	0.0449	—	pCi/L	Y	—	NQ	2014-3887	CAMO-14-81574	GEL
R-16r	600.0	07/24/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.407	0.0296	0.0344	—	pCi/L	Y	—	NQ	2013-1331	CAMO-13-37036	GEL
R-16r	600.0	07/31/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	2017-2223	CAMO-17-142056	GEL
R-16r	600.0	08/04/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.1	—	—	1	µg/L	Y	—	NQ	2016-1931	CAMO-16-124290	GEL
R-16r	600.0	08/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.9	—	—	1	µg/L	Y	—	NQ	2015-2166	CAMO-15-102602	GEL
R-16r	600.0	07/16/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.9	—	—	1	µg/L	Y	—	NQ	2014-3887	CAMO-14-81583	GEL
R-16r	600.0	07/24/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.8	—	—	1	µg/L	Y	—	NQ	2013-1331	CAMO-13-37045	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	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	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	2014-3110	CAPA-14-56399	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.6	—	—	1.45	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	—	—	1.45	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.4	—	—	0.725	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.2	—	—	0.725	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.2	—	—	0.725	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.02	0.00865	0.0468	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00203	0.0102	0.0507	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00975	0.00585	0.0365	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0121	0.00643	0.0373	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0155	0.00967	0.0398	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.19	—	—	2	µg/L	Y	J	J	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	2	µg/L	Y	U	U	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.8	—	—	1	µg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	36.4	—	—	1	µg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	36.6	—	—	1	µg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38	—	—	1	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.7	—	—	1	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.71	—	—	0.05	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.62	—	—	0.05	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.7	—	—	0.05	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.671	0.989	3.91	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.39	1.07	3.46	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.741	1.71	5.13	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.461	1.49	5.5	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.72	1.37	4.65	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	—	0.067	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.067	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.82	—	—	0.067	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.91	—	—	0.067	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.97	—	—	0.067	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.699	0.949	4.18	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.286	0.857	3.11	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.536	1.63	6.14	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.185	1.7	6.69	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.84	1.46	5.8	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.169	—	—	0.033	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.144	—	—	0.033	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.147	—	—	0.033	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.169	—	—	0.033	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.494	0.337	1.12	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.197	0.611	2.52	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.747	0.6	2.09	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.574	0.563	2.83	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.163	0.641	2.81	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.1	0.618	1.6	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.2	0.631	1.97	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.92	0.886	2.86	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.86	0.476	1.51	—	pCi/L	Y	—	NQ	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.181	0.663	2.37	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38	—	—	0.453	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.4	—	—	0.453	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.2	—	—	0.453	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.2	—	—	0.453	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.1	—	—	0.453	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	33.9	—	—	30	µg/L	Y	J	J	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	55.1	—	—	30	µg/L	Y	J	J	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	73	—	—	30	µg/L	Y	J	J	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	353	—	—	30	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	123	—	—	30	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3	—	—	0.11	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.72	—	—	0.11	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.72	—	—	0.11	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.86	—	—	0.11	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.08	—	—	2	µg/L	Y	J	J	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.04	—	—	2	µg/L	Y	J	J	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	25.4	—	—	2	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.77	—	—	2	µg/L	Y	J	J	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.2	µg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.2	µg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.165	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.31	2.14	8.02	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.619	1.62	6.02	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.21	3.05	11.1	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.18	3.1	11.3	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.302	2.77	9.99	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.51	—	—	0.6	µg/L	Y	J	J	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.72	—	—	0.6	µg/L	Y	—	J	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.55	—	—	0.5	µg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	59.7	—	—	0.5	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.97	—	—	0.5	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.255	—	—	0.017	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.178	—	—	0.017	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.184	—	—	0.017	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.226	—	—	0.017	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.23	—	—	0.017	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	—	0.05	µg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.259	—	—	0.05	µg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.248	—	—	0.05	µg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.243	—	—	0.05	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.242	—	—	0.05	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0243	0.0282	0.0644	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00746	0.00698	0.0338	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00747	0.00457	0.0358	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00809	0.00701	0.0325	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00569	0.0336	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00607	0.0149	0.0695	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00559	0.00812	0.0368	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000187	0.00698	0.0339	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00404	0.00809	0.0491	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0171	0.00985	0.0503	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.6	16	54.6	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.1	21	40	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.6	20.6	78.4	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.9	21.4	70.8	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.61	17.4	68.5	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77	—	—	0.053	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	J-	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.5	—	—	0.053	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.913	1.19	4.96	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.62	1.01	3.5	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.22	1.4	5.83	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.81	1.77	7.61	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.336	1.35	5.01	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	uS/cm	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	254	—	—	1	uS/cm	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	uS/cm	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	3.63	uS/cm	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	uS/cm	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	44.2	—	—	1	µg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	42.7	—	—	1	µg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46	—	—	1	µg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	41.5	—	—	1	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	44.3	—	—	1	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.037	0.0651	0.22	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0255	0.131	0.482	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.324	0.118	0.413	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0821	0.0983	0.354	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0441	0.0682	0.236	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.74	—	—	0.133	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.92	—	—	0.133	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.76	—	—	0.133	mg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.72	—	—	0.133	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	—	0.133	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2485	CAPA-18-152862	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	J	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	98.6	—	—	3.4	mg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0802	—	—	0.033	mg/L	Y	J	J	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0541	—	—	0.033	mg/L	Y	J	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-8.375	1.592	3.751	—	pCi/L	Y	QU	U	2018-2488	CAPA-18-152863	ARSL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.094	0.887	3.029	—	pCi/L	Y	U	U	2017-1413	CAPA-17-130555	ARSL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.857	0.669	2.177	—	pCi/L	Y	U	U	2015-1090	CAPA-15-93437	ARSL
R-17 S1	1057.0	04/25/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.108	0.629	2.138	—	pCi/L	Y	U	U	2013-791	CAPA-13-29667	ARSL
R-17 S1	1057.0	09/18/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.2576	0.2898	0.2898	—	pCi/L	Y	—	U	2403	UU07080GR17101	UMTL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.495	—	—	0.067	µg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.506	—	—	0.067	µg/L	Y	—	NQ	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.528	—	—	0.067	µg/L	Y	—	NQ	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.392	—	—	0.067	µg/L	Y	—	NQ	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.5	—	—	0.067	µg/L	Y	—	NQ	2014-3110	CAPA-14-56399	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.418	0.0347	0.0934	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.301	0.0278	0.0698	—	pCi/L	Y	—	NQ	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.313	0.0291	0.095	—	pCi/L	Y	—	NQ	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.284	0.029	0.0617	—	pCi/L	Y	—	NQ	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.408	0.0321	0.0494	—	pCi/L	Y	—	J	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.0126	0.0443	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0298	0.0111	0.0576	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0297	0.0103	0.0651	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.01	0.00885	0.0396	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.00961	0.0353	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.176	0.0244	0.0571	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152863	GEL
R-17 S1	1057.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.0223	0.0567	—	pCi/L	Y	—	NQ	2017-1380	CAPA-17-130555	GEL
R-17 S1	1057.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.19	0.0222	0.0619	—	pCi/L	Y	—	NQ	2016-1036	CAPA-16-114709	GEL
R-17 S1	1057.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.0233	0.0521	—	pCi/L	Y	—	NQ	2015-1073	CAPA-15-93437	GEL
R-17 S1	1057.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.197	0.0225	0.041	—	pCi/L	Y	—	J	2014-3110	CAPA-14-56388	GEL
R-17 S1	1057.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.42	—	—	1	µg/L	Y	—	NQ	2018-2485	CAPA-18-152862	GEL
R-17 S1	1057.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.74	—	—	1	µg/L	Y	J	J	2017-1380	CAPA-17-130546	GEL
R-17 S1	1057.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.24	—	—	1	µg/L	Y	J	J	2016-1036	CAPA-16-114743	GEL
R-17 S1	1057.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.81	—	—	1	µg/L	Y	J	J	2015-1073	CAPA-15-93474	GEL
R-17 S1	1057.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.65	—	—	1	µg/L	Y	J	J	2014-3110	CAPA-14-56399	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	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	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	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	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53	—	—	1.45	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.6	—	—	1.45	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.2	—	—	0.725	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.9	—	—	0.725	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.8	—	—	0.725	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0112	0.00792	0.0524	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00855	0.00616	0.0427	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0119	0.00629	0.0372	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0252	0.0101	0.043	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00837	0.00624	0.0429	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.74	—	—	2	µg/L	Y	J	J	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	2	µg/L	Y	U	U	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.2	—	—	1	µg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30	—	—	1	µg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.9	—	—	1	µg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.4	—	—	1	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30	—	—	1	µg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.06	—	—	0.05	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.88	—	—	0.05	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.45	—	—	0.05	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.59	—	—	0.05	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.41	—	—	0.05	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.67	1.74	5.75	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.24	1.33	4.25	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.681	1.44	5.08	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.93	2.23	7.15	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.391	1.77	6.28	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.66	—	—	0.067	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.7	—	—	0.067	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.067	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.7	—	—	0.067	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.74	—	—	0.067	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.76	—	—	3	µg/L	Y	J	J	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.67	—	—	3	µg/L	Y	J	J	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.22	—	—	2	µg/L	Y	J	J	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.49	—	—	2	µg/L	Y	J	J	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.55	—	—	2	µg/L	Y	J	J	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.287	1.95	7.51	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.692	1.15	4.61	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.88	0.878	4.63	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.05	2.16	6.58	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.45	1.34	4.67	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.198	—	—	0.033	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.113	—	—	0.033	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.148	—	—	0.033	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.152	—	—	0.033	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.163	—	—	0.033	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.48	0.654	0.972	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.513	0.75	2.78	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.345	0.667	2.75	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.556	0.584	2.93	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.865	0.757	2.69	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1530	10.9	1.78	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152865	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.37	1.17	2.86	—	pCi/L	Y	—	NQ	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.47	0.972	2.82	—	pCi/L	Y	—	NQ	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.69	0.441	1.39	—	pCi/L	Y	—	NQ	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.972	0.593	1.93	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.7	—	—	0.453	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.4	—	—	0.453	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.1	—	—	0.453	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.2	—	—	0.453	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.5	—	—	0.453	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.94	—	—	0.11	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.73	—	—	0.11	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.68	—	—	0.11	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.84	—	—	0.11	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.8	—	—	0.11	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.2	µg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.2	µg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.165	µg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.165	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.09	—	—	0.165	µg/L	Y	—	U	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.375	3.26	11.5	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.242	2.49	8.46	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.74	2.65	9.66	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.53	4.24	14.6	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.07	3.02	9.96	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.96	—	—	0.6	µg/L	Y	J	J	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.07	—	—	0.6	µg/L	Y	J	U	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.713	—	—	0.5	µg/L	Y	J	J	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.75	—	—	0.5	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.531	—	—	0.5	µg/L	Y	J	J	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	—	—	0.017	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.312	—	—	0.017	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.323	—	—	0.017	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.348	—	—	0.017	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.36	—	—	0.017	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.241	—	—	0.05	µg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.27	—	—	0.05	µg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.264	—	—	0.05	µg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.24	—	—	0.05	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.242	—	—	0.05	µg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0165	0.0087	0.0583	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00218	0.00786	0.0395	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00574	0.00834	0.0367	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0019	0.00571	0.0306	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.009	0.0532	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0193	0.00825	0.0629	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00871	0.00871	0.0431	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00765	0.00855	0.0348	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0038	0.00761	0.0462	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.018	0.0127	0.0796	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.46	—	—	0.05	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.36	—	—	0.05	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.33	—	—	0.05	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.49	—	—	0.05	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.7	33.4	78.2	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-33.5	14.1	50.3	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.02	17.8	63.5	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	31.7	27.9	116	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.3	16.6	63	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.9	—	—	0.053	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.7	—	—	0.053	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.8	—	—	0.1	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0841	1.82	6.96	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.363	1.06	3.49	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0607	1.41	5.26	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.95	2.66	7.65	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.71	1.53	6.52	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	uS/cm	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	255	—	—	1	uS/cm	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	117	—	—	3.63	uS/cm	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	109	—	—	3.63	uS/cm	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	115	—	—	1	uS/cm	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	42.4	—	—	1	µg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	42.9	—	—	1	µg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	43.6	—	—	1	µg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	39.9	—	—	1	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	42	—	—	1	µg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.129	0.0517	0.191	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.206	0.112	0.479	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0849	0.136	0.476	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.108	0.118	0.484	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.118	0.0627	0.225	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.74	—	—	0.133	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.89	—	—	0.133	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.66	—	—	0.133	mg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.63	—	—	0.133	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.77	—	—	0.133	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	8.57	—	—	3.4	mg/L	Y	J	J	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	78.6	—	—	3.4	mg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-9.013	1.658	3.73	—	pCi/L	Y	QU	U	2018-2488	CAPA-18-152865	ARSL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-17 S2	1124.0	09/18/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.0322	0.2898	0.2898	—	pCi/L	Y	—	U	2403	UU07080GR17201	UMTL
R-17 S2	1124.0	07/03/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.4186	0.2898	0.2898	—	pCi/L	Y	—	U	2363	UU07060GR17201	UMTL
R-17 S2	1124.0	04/25/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.1288	0.2898	0.2898	—	pCi/L	Y	—	U	2336	UU07040GR17201	UMTL
R-17 S2	1124.0	02/22/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.1932	0.2898	0.2898	—	pCi/L	Y	—	U	2315	UU07020GR17201	UMTL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.457	—	—	0.067	µg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.461	—	—	0.067	µg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.509	—	—	0.067	µg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.434	—	—	0.067	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.459	—	—	0.067	µg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.366	0.0322	0.0913	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.359	0.0303	0.0731	—	pCi/L	Y	—	NQ	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.328	0.0277	0.0875	—	pCi/L	Y	—	NQ	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.317	0.0285	0.0539	—	pCi/L	Y	—	NQ	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.33	0.0273	0.0431	—	pCi/L	Y	—	NQ	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0216	0.0127	0.0433	—	pCi/L	Y	U	U	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0312	0.0117	0.0604	—	pCi/L	Y	U	U	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0274	0.011	0.0599	—	pCi/L	Y	U	U	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0146	0.0113	0.0345	—	pCi/L	Y	U	U	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0238	0.00879	0.0308	—	pCi/L	Y	U	U	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.0236	0.0558	—	pCi/L	Y	—	NQ	2018-2485	CAPA-18-152865	GEL
R-17 S2	1124.0	04/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.167	0.0211	0.0594	—	pCi/L	Y	—	NQ	2017-1380	CAPA-17-130556	GEL
R-17 S2	1124.0	04/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.157	0.0204	0.057	—	pCi/L	Y	—	NQ	2016-1036	CAPA-16-114710	GEL
R-17 S2	1124.0	04/20/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.128	0.0183	0.0455	—	pCi/L	Y	—	NQ	2015-1073	CAPA-15-93438	GEL
R-17 S2	1124.0	04/02/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.156	0.0191	0.0357	—	pCi/L	Y	—	NQ	2014-3110	CAPA-14-56389	GEL
R-17 S2	1124.0	04/19/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.06	—	—	1	µg/L	Y	—	NQ	2018-2485	CAPA-18-152864	GEL
R-17 S2	1124.0	04/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.65	—	—	1	µg/L	Y	—	NQ	2017-1380	CAPA-17-130547	GEL
R-17 S2	1124.0	04/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.57	—	—	1	µg/L	Y	—	NQ	2016-1036	CAPA-16-114744	GEL
R-17 S2	1124.0	04/20/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.09	—	—	1	µg/L	Y	—	NQ	2015-1073	CAPA-15-93475	GEL
R-17 S2	1124.0	04/02/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.25	—	—	1	µg/L	Y	—	NQ	2014-3110	CAPA-14-56400	GEL
R-24	825.0	06/25/2018	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	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	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	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	104	—	—	1.45	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.33	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.725	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.725	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0157	0.0111	0.0427	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00959	0.00846	0.0533	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0152	0.00719	0.0249	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00772	0.0123	0.0495	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00654	0.0461	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.58	—	—	2	µg/L	Y	J	J	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.93	—	—	2	µg/L	Y	J	J	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.83	—	—	1.7	µg/L	Y	J	J	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.78	—	—	1.7	µg/L	Y	J	J	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45.6	—	—	1	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	44.7	—	—	1	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	50.7	—	—	1	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	51.5	—	—	1	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	53.5	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	47.6	—	—	15	µg/L	Y	J	J	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	41.8	—	—	15	µg/L	Y	J	J	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	47.2	—	—	15	µg/L	Y	J	J	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	47.9	—	—	15	µg/L	Y	J	J	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	50.6	—	—	15	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.4	—	—	0.05	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.4	—	—	0.05	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.6	—	—	0.05	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.691	1.46	5.59	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.564	1.36	5.18	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.56	1.63	5.26	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.43	1.26	5.04	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.13	1.7	4.69	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.04	—	—	0.067	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.76	—	—	0.067	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.81	—	—	0.067	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.87	—	—	0.067	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.31	—	—	0.067	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.02	—	—	3	µg/L	Y	J	J	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.85	—	—	3	µg/L	Y	J	J	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.62	—	—	2	µg/L	Y	J	J	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.04	—	—	2	µg/L	Y	J	J	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.68	—	—	2	µg/L	Y	J	J	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.59	1.63	6.88	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0703	1.19	4.94	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-4.22	1.59	4.27	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.255	1.83	7.21	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0249	1.71	6.3	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.23	—	—	0.033	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.222	—	—	0.033	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.403	—	—	0.033	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.897	0.737	2.61	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.802	0.607	2.92	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.536	0.818	2.91	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.556	0.48	1.61	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.935	0.558	1.84	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.9	1.03	2.83	—	pCi/L	Y	—	J	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.15	0.416	1.24	—	pCi/L	Y	—	NQ	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.34	0.548	1.49	—	pCi/L	Y	—	NQ	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.83	0.389	1.13	—	pCi/L	Y	—	NQ	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.74	0.502	1.56	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.6	—	—	0.453	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.4	—	—	0.453	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.5	—	—	0.453	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.8	—	—	0.453	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.49	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.32	—	—	0.11	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.52	—	—	0.11	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.67	—	—	0.11	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.74	—	—	0.11	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.73	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.2	µg/L	Y	—	J	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.87	—	—	0.165	µg/L	Y	—	J	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.96	—	—	0.165	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.81	—	—	0.165	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.898	3.46	11.3	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.951	2.43	8.81	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.78	2.72	9.44	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.58	3.07	10.7	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.21	2.79	9.06	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.78	—	—	0.6	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.19	—	—	0.6	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.73	—	—	0.5	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.69	—	—	0.5	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.17	—	—	0.5	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.344	—	—	0.017	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.387	—	—	0.017	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.368	—	—	0.017	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.289	—	—	0.017	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.341	—	—	0.017	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.37	—	—	0.05	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.402	—	—	0.05	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.418	—	—	0.05	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.33	—	—	0.05	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.358	—	—	0.05	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0249	0.0122	0.0335	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0106	0.00841	0.0454	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00684	0.0051	0.0413	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0111	0.00739	0.0301	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00592	0.00725	0.0327	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00904	0.00959	0.0429	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0239	0.0116	0.0482	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00911	0.00852	0.0394	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0156	0.0107	0.0378	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0385	0.0122	0.0539	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.12	—	—	0.05	mg/L	Y	E	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.03	—	—	0.05	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.11	—	—	0.05	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.18	—	—	0.05	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.25	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.5	16.6	68.4	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.7	17.3	70.3	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.821	18.1	69.4	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	69.2	16.3	43.5	—	pCi/L	Y	UI	R	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.2	19.3	48.1	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	51.2	—	—	0.053	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.2	—	—	0.053	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.8	—	—	0.053	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.4	—	—	0.053	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	22.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	22.9	—	—	0.1	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	25	—	—	0.1	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.9	—	—	0.1	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.712	1.67	6.71	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.612	0.806	3.16	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.338	1.5	5.6	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.26	1.54	5.23	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.53	1.19	5.23	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	246	—	—	1	uS/cm	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	246	—	—	1	uS/cm	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	243	—	—	1	uS/cm	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	3.63	uS/cm	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	248	—	—	1	uS/cm	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	116	—	—	1	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	113	—	—	1	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	115	—	—	1	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	124	—	—	1	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	120	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.095	0.126	0.484	—	pCi/L	Y	U	U	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.438	0.159	0.496	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.133	0.126	0.483	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0584	0.107	0.403	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.112	0.119	0.475	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.47	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.99	—	—	0.133	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.17	—	—	0.133	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.51	—	—	0.133	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.12	—	—	0.133	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	200	—	—	3.4	mg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	3.4	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0736	—	—	0.033	mg/L	Y	J	J	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.165	mg/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.064	—	—	0.033	mg/L	Y	J	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0282	—	—	0.02	mg/L	Y	J	J	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0214	—	—	0.02	mg/L	Y	J	U	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0194	—	—	0.017	mg/L	Y	J	J	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	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	2014-3494	CAPU-14-79436	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0	0.944	3.198	—	pCi/L	Y	U	U	N3B-2018-2820	CAPU-18-95	ARSL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.645	0.625	2.058	—	pCi/L	Y	U	U	2016-1364	CAPU-16-116867	ARSL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.907	0.72	2.342	—	pCi/L	Y	U	U	2015-1348	CAPA-15-97488	ARSL
R-24	825.0	07/18/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.161	0.2898	0.2898	—	pCi/L	Y	—	U	2371	UU070700GR2401	UMTL
R-24	825.0	04/16/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	0.6762	0.2898	0.2898	—	pCi/L	Y	—	J	2330	UU070400GR2401	UMTL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	—	0.067	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.28	—	—	0.067	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.45	—	—	0.067	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.89	—	—	0.067	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.5	—	—	0.067	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.879	0.0423	0.0744	—	pCi/L	Y	—	NQ	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.11	0.0639	0.0849	—	pCi/L	Y	—	J-	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.799	0.0417	0.0513	—	pCi/L	Y	—	NQ	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.98	0.0585	0.0851	—	pCi/L	Y	—	NQ	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.91	0.0534	0.0785	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0684	0.0151	0.0563	—	pCi/L	Y	—	NQ	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0304	0.013	0.0828	—	pCi/L	Y	U	U	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.00937	0.0611	—	pCi/L	Y	U	U	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0438	0.0154	0.0543	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.03	0.0119	0.0658	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.559	0.0342	0.0582	—	pCi/L	Y	—	NQ	N3B-2018-2803	CAPU-18-95	GEL
R-24	825.0	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.26	0.0897	0.0878	—	pCi/L	Y	—	J-	2017-1823	CAPU-17-139101	GEL
R-24	825.0	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.421	0.0299	0.0531	—	pCi/L	Y	—	NQ	2016-1325	CAPU-16-116867	GEL
R-24	825.0	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.583	0.0452	0.0607	—	pCi/L	Y	—	NQ	2015-1335	CAPA-15-97488	GEL
R-24	825.0	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.507	0.0399	0.0441	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79428	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.7	—	—	1	µg/L	Y	—	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.2	—	—	1	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	17.2	—	—	1	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14	—	—	1	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	17.1	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-24	825.0	06/25/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	21.2	—	—	3.3	µg/L	Y	*	NQ	N3B-2018-2803	CAPU-18-94	GEL
R-24	825.0	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	14.9	—	—	3.3	µg/L	Y	—	NQ	2017-1823	CAPU-17-139093	GEL
R-24	825.0	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	19	—	—	3.3	µg/L	Y	—	NQ	2016-1325	CAPU-16-116875	GEL
R-24	825.0	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	12.3	—	—	3.3	µg/L	Y	—	NQ	2015-1335	CAPA-15-97496	GEL
R-24	825.0	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	11.2	—	—	3.3	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.39	—	—	0.01	SU	Y	H	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	—	—	0.01	SU	Y	H	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.4	—	—	1.45	mg/L	Y	J	J	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	—	1.45	mg/L	Y	U	U	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.33	mg/L	Y	U	U	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.03	—	—	0.725	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.2	—	—	1.45	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.2	—	—	0.33	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.2	—	—	0.725	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.725	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00871	0.00649	0.0474	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00274	0.00823	0.0457	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00189	0.00566	0.0216	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.015	0.0088	0.0361	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0361	0.0115	0.0446	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0312	—	—	0.017	mg/L	Y	J	J	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0915	—	—	0.017	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.131	—	—	0.017	mg/L	Y	—	U	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0811	—	—	0.017	mg/L	Y	—	U	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0958	—	—	0.017	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.57	—	—	2	µg/L	Y	J	J	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.01	—	—	2	µg/L	Y	J	J	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.1	—	—	1.7	µg/L	Y	J	J	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.13	—	—	1.7	µg/L	Y	J	J	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	46.7	—	—	1	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	44.8	—	—	1	µg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	48	—	—	1	µg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	46.2	—	—	1	µg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.2	—	—	15	µg/L	Y	J	J	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.2	—	—	15	µg/L	Y	J	J	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.9	—	—	15	µg/L	Y	J	J	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.9	—	—	15	µg/L	Y	J	J	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0682	—	—	0.067	mg/L	Y	J	J	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0755	—	—	0.067	mg/L	Y	J	J	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.09	1.21	4.66	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.82	1.24	5.08	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.423	1.13	4.01	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.239	1.3	4.75	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.615	1.54	5.59	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.11	—	—	0.067	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.95	—	—	0.067	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.03	—	—	0.067	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.04	—	—	0.067	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.13	—	—	0.067	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0631	1.3	5.05	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0938	1.03	4.26	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.33	1.26	4.99	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.517	1.28	5.03	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.81	1.8	7.01	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.263	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.188	—	—	0.033	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.218	—	—	0.033	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.439	—	—	0.033	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.699	0.809	2.99	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.422	0.594	2.22	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.518	0.712	3	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.17	0.838	2.84	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.905	0.442	1.43	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.02	0.67	1.91	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.69	0.471	1.46	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.34	0.447	1.38	—	pCi/L	Y	—	NQ	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.08	0.664	1.84	—	pCi/L	Y	—	J	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.9	0.478	1.47	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.1	—	—	0.453	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.1	—	—	0.453	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.4	—	—	0.453	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.49	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.5	—	—	0.11	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.6	—	—	0.11	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.68	—	—	0.11	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.26	—	—	0.11	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.2	µg/L	Y	—	J	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	J	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.519	2.28	8.54	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.33	2.34	8.97	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.11	2.67	7.77	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.61	3.02	9.48	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.546	2.87	10.2	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.539	—	—	0.017	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	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	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.576	—	—	0.017	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.59	—	—	0.085	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.56	—	—	0.085	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.526	—	—	0.05	µg/L	Y	—	J-	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.524	—	—	0.05	µg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.552	—	—	0.05	µg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.517	—	—	0.05	µg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.529	—	—	0.05	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00474	0.0075	0.0352	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0225	0.0162	0.0769	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	0.00699	0.0478	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00459	0.0108	0.031	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00578	0.0261	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00949	0.00887	0.0451	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00449	0.0119	0.0815	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00648	0.0112	0.0456	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00229	0.0115	0.0389	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00944	0.00746	0.043	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	J+	N3B-2018-2780	CAPU-18-97	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.2	—	—	0.05	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.33	—	—	0.05	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.21	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.9	15.3	57.5	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-24.7	17.2	56.6	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.641	16.4	64.3	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27	13.9	35.7	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.4	19.9	73.8	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.8	—	—	0.053	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.1	—	—	0.053	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.6	—	—	0.053	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.1	—	—	0.053	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0359	1.07	4.25	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.831	1.09	4.77	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.109	1.19	4.43	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.965	1.28	5.14	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.173	1.75	5.67	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	uS/cm	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	uS/cm	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	3.63	uS/cm	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	109	—	—	1	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	111	—	—	1	µg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	113	—	—	1	µg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.129	0.493	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.076	0.131	0.494	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.17	0.122	0.484	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0158	0.113	0.416	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.108	0.094	0.406	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.07	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4	—	—	0.133	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.133	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.96	—	—	0.133	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.133	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.729	0.966	3.138	—	pCi/L	Y	U	U	N3B-2018-2820	CAPU-18-98	ARSL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.202	0.69	2.334	—	pCi/L	Y	U	U	2015-1392	CAPA-15-97489	ARSL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.847	—	—	0.067	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.876	—	—	0.067	µg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.852	—	—	0.067	µg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.928	—	—	0.067	µg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.909	—	—	0.067	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.571	0.0456	0.128	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.546	0.0399	0.0691	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.598	0.0393	0.0579	—	pCi/L	Y	—	NQ	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.527	0.042	0.0766	—	pCi/L	Y	—	NQ	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.524	0.0359	0.0625	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0545	0.0162	0.0966	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00353	0.00934	0.0673	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0528	0.0144	0.0689	—	pCi/L	Y	U	U	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0143	0.0175	0.0485	—	pCi/L	Y	U	U	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0269	0.0123	0.0524	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.332	0.0352	0.0998	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-98	GEL
R-3	974.5	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.3	0.0301	0.0715	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139102	GEL
R-3	974.5	06/06/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.335	0.0286	0.0599	—	pCi/L	Y	—	NQ	2016-1324	CAPU-16-116868	GEL
R-3	974.5	06/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.249	0.029	0.0545	—	pCi/L	Y	—	NQ	2015-1394	CAPA-15-97489	GEL
R-3	974.5	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.295	0.0271	0.0351	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79429	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.8	—	—	1	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.2	—	—	1	µg/L	Y	—	NQ	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.3	—	—	1	µg/L	Y	—	NQ	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.7	—	—	1	µg/L	Y	—	NQ	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.1	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GEL
R-3	974.5	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.86	—	—	3.3	µg/L	Y	J	J	N3B-2018-2780	CAPU-18-97	GEL
R-3	974.5	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1839	CAPU-17-139094	GEL
R-3	974.5	06/06/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-1324	CAPU-16-116876	GEL
R-3	974.5	06/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-1394	CAPA-15-97497	GEL
R-3	974.5	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2014-3500	CAPU-14-79437	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.36	—	—	0.01	SU	Y	H	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.37	—	—	0.01	SU	Y	H	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.63	—	—	1.45	mg/L	Y	J	J	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.02	—	—	1.45	mg/L	Y	J	J	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	—	1.45	mg/L	Y	U	U	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	—	1.45	mg/L	Y	U	U	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	—	1.45	mg/L	Y	U	U	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	2	—	—	0.725	mg/L	Y	U	U	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.6	—	—	1.45	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72	—	—	1.45	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80	—	—	1.45	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75	—	—	1.45	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.6	—	—	1.45	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.8	—	—	0.725	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00655	0.0194	0.0388	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00439	0.0124	0.0326	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00857	0.00606	0.0534	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00565	0.00978	0.0303	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00301	0.00902	0.0505	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00192	0.00577	0.0309	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0667	—	—	0.017	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0423	—	—	0.017	mg/L	Y	J	J	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.144	—	—	0.017	mg/L	Y	—	U	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.023	—	—	0.017	mg/L	Y	J	J	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0508	—	—	0.017	mg/L	Y	—	U	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.2	—	—	1	µg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.5	—	—	1	µg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.2	—	—	1	µg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.7	—	—	1	µg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.8	—	—	1	µg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.9	—	—	1	µg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.2	—	—	15	µg/L	Y	J	J	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.4	—	—	15	µg/L	Y	J	J	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	16.3	—	—	15	µg/L	Y	J	J	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.1	—	—	15	µg/L	Y	J	J	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.7	—	—	15	µg/L	Y	J	J	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.9	—	—	0.05	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.33	1.51	5.52	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.203	1.5	5.09	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.46	1.1	3.45	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.68	1.68	5.63	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.5	1.57	5.66	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0214	1.05	3.83	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.37	—	—	0.067	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.38	—	—	0.067	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.59	—	—	0.067	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.46	—	—	0.067	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.42	—	—	0.067	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.49	—	—	0.067	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.98	—	—	3	µg/L	Y	J	J	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.23	—	—	3	µg/L	Y	J	J	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.65	—	—	3	µg/L	Y	J	J	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.06	—	—	3	µg/L	Y	J	J	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.54	—	—	3	µg/L	Y	J	J	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.92	—	—	2	µg/L	Y	J	J	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.701	1.47	6.23	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.41	1.48	6.51	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.225	1.1	4.32	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.74	1.5	6.33	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.258	1.4	5.46	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.171	1.36	4.39	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.228	—	—	0.033	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.259	—	—	0.033	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.312	—	—	0.033	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.215	—	—	0.033	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.251	—	—	0.033	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.218	—	—	0.033	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.861	2.89	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.53	0.727	2.25	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0744	0.719	2.94	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.634	0.839	2.96	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.415	0.633	2.47	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.657	0.514	2.99	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.101	0.776	2.79	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.58	0.717	2.19	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.36	0.26	0.775	—	pCi/L	Y	—	NQ	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.11	0.424	1.32	—	pCi/L	Y	—	NQ	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.964	0.726	2.42	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.83	0.673	2.07	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.3	—	—	0.453	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.2	—	—	0.453	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.5	—	—	0.453	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.5	—	—	0.453	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53	—	—	0.453	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.63	—	—	0.11	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.42	—	—	0.11	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.76	—	—	0.11	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.44	—	—	0.11	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.2	µg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.918	—	—	0.2	µg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.9	—	—	0.2	µg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.995	—	—	0.3	µg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.3	µg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.941	—	—	0.165	µg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.745	2.4	9.04	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.69	2.27	8.08	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.15	1.78	6.42	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.01	3.26	10.7	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.11	2.75	9.65	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.66	2.23	8.34	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.476	—	—	0.017	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.442	—	—	0.017	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.539	—	—	0.017	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.446	—	—	0.017	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.469	—	—	0.017	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.489	—	—	0.017	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.329	—	—	0.05	µg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.332	—	—	0.05	µg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.348	—	—	0.05	µg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	02/15/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.346	—	—	0.05	µg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.337	—	—	0.05	µg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.329	—	—	0.05	µg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00722	0.0105	0.0355	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0261	0.00979	0.0429	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00302	0.00676	0.07	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0146	0.0105	0.0464	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0127	0.00914	0.0523	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00637	0.0404	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00241	0.00637	0.0507	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00475	0.0106	0.0425	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00302	0.00799	0.0529	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00292	0.0105	0.0538	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000338	0.0108	0.0454	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00805	0.00697	0.036	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.74	—	—	0.05	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.73	—	—	0.05	mg/L	Y	E	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.6	22.2	81.5	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.22	16.9	68.5	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.9	14.5	52.1	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.7	19.4	78.9	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.9	15.1	55.4	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.9	12.6	34.3	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.7	—	—	0.053	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.9	—	—	0.053	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.2	—	—	0.053	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.563	1.23	4.5	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.22	1.46	6.68	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.197	1.06	4.04	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.12	1.24	5.67	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.141	1.18	4.62	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.05	0.916	4.05	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	1	uS/cm	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	1	uS/cm	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	uS/cm	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	uS/cm	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	154	—	—	1	uS/cm	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	3.63	uS/cm	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.9	—	—	1	µg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	54.2	—	—	1	µg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.1	—	—	1	µg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.3	—	—	1	µg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.5	—	—	1	µg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	54.1	—	—	1	µg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0179	0.115	0.434	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.033	0.108	0.432	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.175	0.132	0.448	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00224	0.135	0.481	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0372	0.121	0.495	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0888	0.136	0.489	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.81	—	—	0.133	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.85	—	—	0.133	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.09	—	—	0.133	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.82	—	—	0.133	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.8	—	—	0.133	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.83	—	—	0.133	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2414	CAMO-17-142064	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	05/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1522	CAMO-17-132465	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	—	3.4	mg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	—	—	3.4	mg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.119	—	—	0.02	mg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.02	mg/L	Y	U	U	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.02	mg/L	Y	U	U	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.159	—	—	0.02	mg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0226	—	—	0.02	mg/L	Y	J	J	2017-539	CAMO-17-127335	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.336	0.715	2.402	—	pCi/L	Y	U	U	2018-930	CAMO-18-147983	ARSL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	37.062	5.717	2.689	—	pCi/L	Y	—	J-	2017-2445	CAMO-17-142064	ARSL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.484	0.668	2.223	—	pCi/L	Y	U	U	2017-542	CAMO-17-127333	ARSL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.642	0.89	2.794	—	pCi/L	Y	U	U	2016-2037	CAMO-16-124270	ARSL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.831	0.793	2.404	—	pCi/L	Y	U	U	2016-453	CAMO-16-106103	ARSL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.478	0.737	2.289	—	pCi/L	Y	U	U	2015-2326	CAMO-15-102582	ARSL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.489	—	—	0.067	µg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.395	—	—	0.067	µg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.445	—	—	0.067	µg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.51	—	—	0.067	µg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.493	—	—	0.067	µg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.494	—	—	0.067	µg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.301	0.0388	0.205	—	pCi/L	Y	—	NQ	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.36	0.0302	0.0555	—	pCi/L	Y	—	NQ	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.33	0.035	0.14	—	pCi/L	Y	—	NQ	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.319	0.0306	0.0809	—	pCi/L	Y	—	NQ	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.338	0.0321	0.109	—	pCi/L	Y	—	NQ	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.337	0.0341	0.132	—	pCi/L	Y	—	NQ	2015-2310	CAMO-15-102582	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0145	0.0123	0.0898	—	pCi/L	Y	U	U	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0436	0.0133	0.047	—	pCi/L	Y	U	U	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00857	0.00804	0.095	—	pCi/L	Y	U	U	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00334	0.00883	0.0725	—	pCi/L	Y	U	U	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0557	0.0156	0.0749	—	pCi/L	Y	U	U	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0498	0.0153	0.0935	—	pCi/L	Y	U	U	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.204	0.0322	0.12	—	pCi/L	Y	—	NQ	2018-923	CAMO-18-147983	GEL
R-34	883.7	08/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.191	0.0229	0.0459	—	pCi/L	Y	—	NQ	2017-2414	CAMO-17-142064	GEL
R-34	883.7	11/21/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	0.0239	0.108	—	pCi/L	Y	—	NQ	2017-539	CAMO-17-127333	GEL
R-34	883.7	08/05/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.176	0.0231	0.065	—	pCi/L	Y	—	NQ	2016-1943	CAMO-16-124270	GEL
R-34	883.7	11/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.194	0.0247	0.094	—	pCi/L	Y	—	NQ	2016-409	CAMO-16-106103	GEL
R-34	883.7	09/03/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.026	0.123	—	pCi/L	Y	—	NQ	2015-2310	CAMO-15-102582	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.45	—	—	1	µg/L	Y	—	NQ	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.02	—	—	1	µg/L	Y	—	NQ	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.47	—	—	1	µg/L	Y	—	NQ	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.59	—	—	1	µg/L	Y	—	NQ	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.81	—	—	1	µg/L	Y	—	NQ	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.9	—	—	1	µg/L	Y	—	NQ	2016-1943	CAMO-16-124294	GEL
R-34	883.7	11/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.31	—	—	3.3	µg/L	Y	J	J	2018-923	CAMO-18-147982	GEL
R-34	883.7	08/08/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.68	—	—	3.3	µg/L	Y	J	J	2017-2414	CAMO-17-142057	GEL
R-34	883.7	05/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1522	CAMO-17-132463	GEL
R-34	883.7	02/15/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.59	—	—	3.3	µg/L	Y	J	J	2017-1029	CAMO-17-129354	GEL
R-34	883.7	11/21/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.42	—	—	3.3	µg/L	Y	J	J	2017-539	CAMO-17-127335	GEL
R-34	883.7	08/05/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.68	—	—	3.3	µg/L	Y	J	J	2016-1943	CAMO-16-124294	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	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	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	159	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	164	—	—	1.45	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	152	—	—	0.725	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	155	—	—	0.725	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	155	—	—	0.725	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0155	0.00821	0.0507	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00955	0.0106	0.053	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0141	0.00665	0.0269	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0437	0.0312	0.12	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00856	0.0121	0.074	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0865	—	—	0.017	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0523	—	—	0.017	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0448	—	—	0.017	mg/L	Y	J	U	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.106	—	—	0.017	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0376	—	—	0.017	mg/L	Y	J	J	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.54	—	—	2	µg/L	Y	J	J	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.37	—	—	2	µg/L	Y	J	J	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.37	—	—	1.7	µg/L	Y	J	J	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	98.6	—	—	1	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	95.6	—	—	1	µg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	107	—	—	1	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	96.4	—	—	1	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	98.3	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	131	—	—	15	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	111	—	—	15	µg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	122	—	—	15	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	122	—	—	15	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	101	—	—	15	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.126	—	—	0.067	mg/L	Y	J	J	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.135	—	—	0.067	mg/L	Y	J	J	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.149	—	—	0.067	mg/L	Y	J	J	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.149	—	—	0.067	mg/L	Y	J	J	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.157	—	—	0.067	mg/L	Y	J	J	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	58.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	56.7	—	—	0.05	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	59	—	—	0.05	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	56.9	—	—	0.05	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	57.7	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.181	1.24	4.61	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.84	1.11	3.56	—	pCi/L	Y	UI	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.06	2.15	7.05	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.43	1.72	7.42	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.95	1.4	4.36	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	46.6	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44	—	—	0.67	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	43.9	—	—	0.67	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.8	—	—	0.67	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.9	—	—	0.67	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.6	1.08	4.94	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.15	1.33	4.69	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.263	1.96	7.26	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.86	1.7	6.05	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.424	0.967	3.56	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.373	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.259	—	—	0.033	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.25	—	—	0.033	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.408	—	—	0.033	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.68	1.41	2.97	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	10.5	1.43	2.95	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	10.3	1.54	2.35	—	pCi/L	Y	—	NQ	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.49	0.76	1.79	—	pCi/L	Y	—	NQ	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	8.57	0.824	1.74	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.52	0.863	1.92	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.73	0.53	1.42	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.62	0.677	1.89	—	pCi/L	Y	—	NQ	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.27	0.579	1.61	—	pCi/L	Y	—	NQ	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.55	0.64	1.81	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	212	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	206	—	—	0.453	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	214	—	—	0.453	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	209	—	—	0.453	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	211	—	—	0.453	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.2	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	15.6	—	—	0.11	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.1	—	—	0.11	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.3	—	—	0.11	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.3	—	—	0.11	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	1	—	—	1	µg/L	Y	J	J-	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2016-1311	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	UH	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	04/13/2012	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	12-1225	CAPU-12-12566	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.898	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.912	—	—	0.2	µg/L	Y	—	U	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.942	—	—	0.165	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.849	—	—	0.165	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.933	—	—	0.165	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.934	2.32	8.45	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.361	2.41	8.74	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.14	3.51	11.4	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.78	2.48	9.61	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.72	2.3	8.03	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.34	—	—	0.6	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.97	—	—	0.6	µg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.5	—	—	0.5	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.69	—	—	0.5	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.6	—	—	0.5	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.51	—	—	0.085	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.54	—	—	0.085	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.76	—	—	0.085	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.53	—	—	0.17	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.29	—	—	0.17	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.58	—	—	0.05	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.57	—	—	0.05	µg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.67	—	—	0.1	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.91	—	—	0.2	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.04	—	—	0.2	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00911	0.0158	0.0451	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0039	0.0103	0.0667	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00975	0.0103	0.0442	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.000000000406	0.00487	0.033	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00548	0.00672	0.0303	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00607	0.0136	0.0577	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0312	0.0123	0.0707	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.017	0.0106	0.0422	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00731	0.00808	0.0413	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00822	0.00909	0.0499	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.01	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.69	—	—	0.05	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.82	—	—	0.05	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.92	—	—	0.05	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.97	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.4	13.4	49.4	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.5	17.5	71.9	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.5	24.6	89.6	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.56	18.3	70.6	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.41	14	53.3	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	45.8	—	—	0.053	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	51.3	—	—	0.053	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.4	—	—	0.053	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.7	—	—	0.053	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.1	—	—	0.1	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.9	—	—	0.1	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	21.3	—	—	0.1	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.43	1.11	3.9	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.5	1.21	4.42	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.171	1.79	5.99	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.08	2.18	7.88	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.417	0.947	3.73	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	536	—	—	1	uS/cm	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	557	—	—	1	uS/cm	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	541	—	—	1	uS/cm	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	524	—	—	3.63	uS/cm	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	546	—	—	1	uS/cm	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	277	—	—	1	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	269	—	—	1	µg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	265	—	—	1	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	317	—	—	1	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	278	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0359	0.121	0.44	—	pCi/L	Y	U	U	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0879	0.131	0.483	—	pCi/L	Y	U	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.296	0.15	0.49	—	pCi/L	Y	U	U	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0603	0.121	0.472	—	pCi/L	Y	U	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.102	0.137	0.48	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	30	—	—	1.33	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.5	—	—	1.33	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.1	—	—	1.33	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.4	—	—	1.33	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.8	—	—	1.33	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	331	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	373	—	—	3.4	mg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	349	—	—	3.4	mg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	319	—	—	3.4	mg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	331	—	—	3.4	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0795	—	—	0.033	mg/L	Y	J	J	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0821	—	—	0.033	mg/L	Y	J	U	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0752	—	—	0.033	mg/L	Y	J	J	2016-1311	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.121	—	—	0.033	mg/L	Y	—	U	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.101	—	—	0.033	mg/L	Y	—	U	2014-3500	CAPU-14-79430	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.603	—	—	0.33	mg/L	Y	J	J	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.787	—	—	0.33	mg/L	Y	J	J	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.829	—	—	0.33	mg/L	Y	J	J	2016-1311	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.689	—	—	0.33	mg/L	Y	J	J-	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.731	—	—	0.33	mg/L	Y	J	J	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	21.26	3.402	2.916	—	pCi/L	Y	—	NQ	N3B-2018-2820	CAPU-18-84	ARSL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	27.676	4.318	2.668	—	pCi/L	Y	—	J-	2017-1856	CAPU-17-139103	ARSL
R-3i	215.2	07/20/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	69.552	2.254	0.2898	—	pCi/L	Y	—	NQ	2371	UU070700G3iR01	UMTL
R-3i	215.2	04/09/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	71.806	2.254	0.2898	—	pCi/L	Y	—	NQ	2327	UU070400G3iR01	UMTL
R-3i	215.2	01/11/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	74.06	2.576	0.2898	—	pCi/L	Y	—	NQ	2305	UU061000G3iR01	UMTL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	7.89	—	—	0.067	µg/L	Y	—	NQ	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	8.95	—	—	0.067	µg/L	Y	—	NQ	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	8.85	—	—	0.067	µg/L	Y	—	NQ	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	7.72	—	—	0.067	µg/L	Y	—	NQ	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	9.38	—	—	0.067	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.31	0.108	0.1	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	3.82	0.0932	0.0549	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.1	0.0895	0.0474	—	pCi/L	Y	—	NQ	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.16	0.12	0.0857	—	pCi/L	Y	—	NQ	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.45	0.105	0.0643	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.181	0.0249	0.076	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.118	0.0202	0.0535	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.151	0.0202	0.0564	—	pCi/L	Y	—	NQ	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.119	0.0247	0.0547	—	pCi/L	Y	—	NQ	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.151	0.0224	0.0539	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.93	0.0887	0.0785	—	pCi/L	Y	—	NQ	N3B-2018-2780	CAPU-18-84	GEL
R-3i	215.2	06/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.58	0.0766	0.0568	—	pCi/L	Y	—	NQ	2017-1839	CAPU-17-139103	GEL
R-3i	215.2	06/02/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.66	0.0722	0.049	—	pCi/L	Y	—	NQ	2016-1316	CAPU-16-116869	GEL
R-3i	215.2	06/01/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.53	0.0939	0.0612	—	pCi/L	Y	—	NQ	2015-1328	CAPA-15-97490	GEL
R-3i	215.2	06/04/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.97	0.0861	0.0361	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.41	—	—	1	µg/L	Y	J	J	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.85	—	—	1	µg/L	Y	J	J	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.06	—	—	1	µg/L	Y	J	J	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.66	—	—	1	µg/L	Y	J	J	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.36	—	—	1	µg/L	Y	J	J	2014-3500	CAPU-14-79438	GEL
R-3i	215.2	06/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	7.81	—	—	3.3	µg/L	Y	J	J	N3B-2018-2780	CAPU-18-83	GEL
R-3i	215.2	06/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1839	CAPU-17-139095	GEL
R-3i	215.2	06/02/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.66	—	—	3.3	µg/L	Y	J	J	2016-1311	CAPU-16-116877	GEL
R-3i	215.2	06/01/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6	—	—	3.3	µg/L	Y	J	J	2015-1328	CAPA-15-97498	GEL
R-3i	215.2	06/04/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2014-3500	CAPU-14-79438	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	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	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	—	0.01	SU	Y	H	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.8	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73	—	—	1.45	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.2	—	—	0.33	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.6	—	—	0.725	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.1	—	—	0.725	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00367	0.00637	0.03	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0136	0.00722	0.0455	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00541	0.00764	0.0531	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00415	0.00656	0.0399	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00275	0.00476	0.0476	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.72	—	—	2	µg/L	Y	J	J	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.28	—	—	2	µg/L	Y	J	J	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.83	—	—	1.7	µg/L	Y	J	J	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	35.9	—	—	1	µg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.4	—	—	1	µg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.3	—	—	1	µg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.4	—	—	1	µg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.5	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24.8	—	—	15	µg/L	Y	J	J	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.7	—	—	15	µg/L	Y	J	J	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.5	—	—	15	µg/L	Y	J	J	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.4	—	—	15	µg/L	Y	J	J	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.3	—	—	15	µg/L	Y	J	J	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	19.5	—	—	0.05	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.6	—	—	0.05	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.109	1.97	6.78	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.01	1.32	4.21	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.409	1.27	4.7	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.208	1.68	5.17	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.845	1.57	6.12	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.31	—	—	0.067	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.33	—	—	0.067	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.19	—	—	0.067	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.71	—	—	0.067	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.89	—	—	0.067	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.24	—	—	3	µg/L	Y	J	J	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.96	—	—	3	µg/L	Y	J	J	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.28	—	—	2	µg/L	Y	J	J	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4	—	—	2	µg/L	Y	J	J	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.6	—	—	2	µg/L	Y	J	J	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.73	1.57	5.98	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.871	1.12	5.03	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.16	1.59	5.74	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.25	1.11	3.86	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.71	1.52	7.29	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.613	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.608	—	—	0.033	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.601	—	—	0.033	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.645	—	—	0.033	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.832	—	—	0.033	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.94	1.08	2.82	—	pCi/L	Y	—	NQ	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.44	0.828	2.15	—	pCi/L	Y	—	NQ	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.19	0.385	1.15	—	pCi/L	Y	—	NQ	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.268	0.301	1.03	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.9	0.685	2.17	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.66	1.14	2.94	—	pCi/L	Y	—	NQ	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.06	0.435	1.31	—	pCi/L	Y	—	NQ	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.63	0.902	2.62	—	pCi/L	Y	—	NQ	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.2	0.314	0.883	—	pCi/L	Y	—	NQ	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.82	0.48	1.48	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.7	—	—	0.453	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.2	—	—	0.453	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.4	—	—	0.453	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	—	—	0.453	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.57	—	—	0.11	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.63	—	—	0.11	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.67	—	—	0.11	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.95	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2	—	—	0.2	µg/L	Y	—	J	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.19	—	—	0.165	µg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.96	—	—	0.165	µg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.07	—	—	0.165	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.83	2.66	10.2	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.74	2.13	7.7	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.51	3	9.6	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.978	2.54	8.94	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.34	3.09	11.4	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.922	—	—	0.6	µg/L	Y	J	J	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.6	µg/L	Y	U	U	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.828	—	—	0.5	µg/L	Y	J	J	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.743	—	—	0.5	µg/L	Y	J	J	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.857	—	—	0.5	µg/L	Y	J	J	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.03	—	—	0.17	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.79	—	—	0.085	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.72	—	—	0.085	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	—	0.017	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.21	—	—	0.017	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.86	—	—	0.25	µg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.32	—	—	0.25	µg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.99	—	—	0.25	µg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2	—	—	0.2	µg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.22	—	—	0.25	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0232	0.0114	0.0344	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00687	0.00972	0.0587	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00202	0.00533	0.0406	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00428	0.00801	0.029	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0096	0.00576	0.0212	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00464	0.00656	0.0441	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0206	0.0119	0.0623	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0101	0.00668	0.0357	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00856	0.00606	0.0363	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00768	0.0112	0.035	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.67	—	—	0.05	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.76	—	—	0.05	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.4	18.3	56.9	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.411	17.6	66.8	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.867	19.3	75.8	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.4	15.2	55.1	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	18.3	78.6	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.2	—	—	0.053	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.1	—	—	0.053	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.589	1.02	4.36	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.02	1.24	3.98	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.145	1.34	5.2	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.79	1.36	4.62	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.582	1.48	6.11	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	uS/cm	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	uS/cm	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	3.63	uS/cm	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	—	3.63	uS/cm	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	uS/cm	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	85.5	—	—	1	µg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.4	—	—	1	µg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.4	—	—	1	µg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	93.3	—	—	1	µg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.2	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0927	0.131	0.485	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0126	0.135	0.479	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.284	0.123	0.495	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.317	0.134	0.422	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.334	0.155	0.493	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.6	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.83	—	—	0.133	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.11	—	—	0.133	mg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.27	—	—	0.133	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.79	—	—	0.133	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1824	CAPU-17-139104	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	3.4	mg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	N	H	J	2016-1292	CAPU-16-116878	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	—	3.4	mg/L	Y	—	J	2016-1292	CAPU-16-116878	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	06/02/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	3.4	mg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	51.917	7.945	3.021	—	pCi/L	Y	—	NQ	N3B-2018-2820	CAPU-18-103	ARSL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	35.56	5.445	1.925	—	pCi/L	Y	—	J	2016-1301	CAPU-16-116870	ARSL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	20.103	3.174	2.197	—	pCi/L	Y	—	NQ	2015-1348	CAPA-15-97491	ARSL
R-4	792.9	07/18/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	53.774	1.61	0.2898	—	pCi/L	Y	—	NQ	2371	UU070700G04R01	UMTL
R-4	792.9	04/17/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	43.792	1.288	0.2898	—	pCi/L	Y	—	NQ	2330	UU070400G04R01	UMTL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.642	—	—	0.067	µg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.707	—	—	0.067	µg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.828	—	—	0.067	µg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.067	µg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.811	—	—	0.067	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.513	0.0318	0.0701	—	pCi/L	Y	—	NQ	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.462	0.0334	0.0551	—	pCi/L	Y	—	NQ	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.615	0.0529	0.154	—	pCi/L	Y	—	NQ	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.642	0.049	0.091	—	pCi/L	Y	—	NQ	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.738	0.0478	0.0764	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0322	0.0108	0.0531	—	pCi/L	Y	U	U	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.0102	0.0537	—	pCi/L	Y	U	U	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0137	0.0117	0.106	—	pCi/L	Y	U	U	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0104	0.0102	0.058	—	pCi/L	Y	U	U	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.00966	0.064	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.203	0.0205	0.0549	—	pCi/L	Y	—	NQ	N3B-2018-2809	CAPU-18-103	GEL
R-4	792.9	06/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.257	0.0246	0.057	—	pCi/L	Y	—	NQ	2017-1824	CAPU-17-139104	GEL
R-4	792.9	05/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.264	0.0348	0.101	—	pCi/L	Y	—	NQ	2016-1292	CAPU-16-116870	GEL
R-4	792.9	06/02/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.252	0.0321	0.0649	—	pCi/L	Y	—	NQ	2015-1335	CAPA-15-97491	GEL
R-4	792.9	06/03/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.266	0.0301	0.0429	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79431	GEL
R-4	792.9	06/26/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.49	—	—	1	µg/L	Y	—	NQ	N3B-2018-2809	CAPU-18-102	GEL
R-4	792.9	06/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.35	—	—	1	µg/L	Y	—	NQ	2017-1824	CAPU-17-139096	GEL
R-4	792.9	05/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.15	—	—	1	µg/L	Y	—	NQ	2016-1292	CAPU-16-116878	GEL
R-4	792.9	06/02/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7	—	—	1	µg/L	Y	—	NQ	2015-1335	CAPA-15-97499	GEL
R-4	792.9	06/03/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.31	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.38	—	—	0.01	SU	Y	H	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91.8	—	—	1.45	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	129	—	—	1.45	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	9660	—	—	68	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	1420	—	—	68	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1430	—	—	68	µg/L	Y	N*	J+	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00451	0.0395	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00212	0.0056	0.0518	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.42	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.98	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147340	GEL

Table C-1 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	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.03	—	—	1.7	µg/L	Y	J	J	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.63	—	—	1.7	µg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	65.7	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	203	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	90.4	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	77.4	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	73.6	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	77.3	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	60.5	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	63.1	—	—	1	µg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.5	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.7	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.2	—	—	15	µg/L	Y	J	J	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	39.7	—	—	15	µg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.1	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.8	—	—	15	µg/L	Y	J	J	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	32.6	—	—	15	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	30.6	—	—	10	µg/L	Y	J	J	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	32.4	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	46.4	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	41.8	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	40.9	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	39.9	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	38.1	—	—	0.05	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.2	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30.3	—	—	0.03	mg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.844	1.77	5.99	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.156	0.94	3.51	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.12	—	—	0.067	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.16	—	—	0.067	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.81	—	—	3	µg/L	Y	J	J	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	3	µg/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.3	—	—	1.5	µg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	4.46	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.21	1.59	6.88	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.402	1.17	4.45	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	8.99	—	—	3	µg/L	Y	J	J	2018-195	CAWR-18-147340	GEL

Table C-1 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	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.245	—	—	0.033	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.384	—	—	0.033	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	8.83	1.56	2.98	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.22	1.51	2.94	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	15.1	0.587	1.32	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.12	0.668	1.94	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	103	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	152	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	137	—	—	0.453	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	133	—	—	0.453	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	129	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	—	0.453	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	124	—	—	0.453	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	99.1	—	—	0.35	mg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	6230	—	—	30	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	883	—	—	30	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	912	—	—	25	µg/L	Y	*	J	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	5.96	—	—	0.5	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	0.7	—	—	0.5	µg/L	Y	J	J	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	1	—	—	0.5	µg/L	Y	J	J	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.42	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.68	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.87	—	—	0.11	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.44	—	—	0.11	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.69	—	—	0.11	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.04	—	—	0.11	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.71	—	—	0.085	mg/L	Y	E	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.74	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	244	—	—	2	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	37.8	—	—	2	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	8.87	—	—	2	µg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.36	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.14	—	—	2	µg/L	Y	J	J	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.23	—	—	2	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	34.5	—	—	2	µg/L	Y	*	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	2.95	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147406	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	1	µg/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2016-38	CAWR-16-104421	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	UH	U	2015-40	CAWR-14-86939	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2014-2663	CAWR-13-42146	GEL

Table C-1 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	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.97	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.95	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.11	—	—	0.3	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.76	—	—	0.3	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	6.99	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.73	—	—	0.165	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.53	—	—	0.165	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.2	—	—	0.1	µg/L	Y	—	J	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.21	2.89	9.87	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.128	1.53	5.42	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.647	—	—	0.6	µg/L	Y	J	J	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.09	—	—	0.6	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.33	—	—	0.5	µg/L	Y	J	J	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.593	—	—	0.5	µg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.9	—	—	0.5	µg/L	Y	J	J	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.146	—	—	0.017	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.035	—	—	0.017	mg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0648	—	—	0.05	µg/L	Y	J	J	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0767	—	—	0.05	µg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00828	0.00916	0.0478	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00224	0.00922	0.0445	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0138	0.0114	0.062	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00894	0.00707	0.0514	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.39	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.14	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.8	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.83	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.79	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.48	—	—	0.05	mg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	78.5	23.1	51.7	—	pCi/L	Y	UI	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.95	16.4	39.9	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL

Table C-1 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	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	17.9	—	—	0.053	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.3	—	—	0.053	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	21	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	22.4	—	—	0.1	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	22.9	—	—	0.1	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.7	—	—	0.1	mg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.2	—	—	0.1	mg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.045	mg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.72	1.23	4.23	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.81	1.16	4.54	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	289	—	—	1	uS/cm	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	362	—	—	1	uS/cm	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	329	—	—	3.63	uS/cm	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	305	—	—	3.63	uS/cm	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	333	—	—	1	uS/cm	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	252	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	330	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	345	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	341	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	310	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	306	—	—	1	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	302	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	216	—	—	1	µg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0262	0.136	0.49	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.44	0.161	0.474	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	38.5	—	—	0.665	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	45.7	—	—	0.665	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147406	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.1	—	—	—	deg C	Y	—	NQ	2018-205	CAWR-18-147406	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	254	—	—	3.4	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL

Table C-1 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	—	10/04/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.55	—	—	0.66	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.41	—	—	0.33	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.26	—	—	0.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104421	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.205	—	—	0.02	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0239	—	—	0.02	mg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0483	—	—	0.017	mg/L	Y	J	U	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0417	—	—	0.017	mg/L	Y	J	U	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0821	—	—	0.017	mg/L	Y	—	U	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	11.075	1.853	2.172	—	pCi/L	Y	*	NQ	2018-217	CAWR-18-147340	ARSL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.842	2.373	1.857	—	pCi/L	Y	—	J-	2017-182	CAWR-16-126321	ARSL
Rio Grande at Otowi Bridge	—	10/09/2015	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	—	10/30/2014	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	—	10/02/2012	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	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.47	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.02	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.1	—	—	0.067	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3	—	—	0.067	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.02	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.97	—	—	0.067	µg/L	Y	—	NQ	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2	—	—	0.05	µg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.974	0.0674	0.0858	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.56	0.0957	0.29	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0453	0.0186	0.0916	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0844	0.0284	0.151	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.685	0.0564	0.0831	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.04	0.0781	0.195	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	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	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	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	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	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	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.27	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147339	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.68	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.04	—	—	1	µg/L	Y	J	J	2017-176	CAWR-16-126347	GEL
Rio Grande at Otowi Bridge	—	10/09/2015	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.14	—	—	1	µg/L	Y	J	J	2016-38	CAWR-16-104439	GEL
Rio Grande at Otowi Bridge	—	10/06/2014	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.53	—	—	1	µg/L	Y	J	J	2015-40	CAWR-14-86966	GEL
Rio Grande at Otowi Bridge	—	12/11/2013	WS	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.06	—	—	1	µg/L	Y	J	J	2014-2663	CAWR-13-42160	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.6	—	—	1	µg/L	Y	—	NQ	08-1595	CAWR-08-12212	GEL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	21.6	—	—	3.3	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GEL
Rio Grande at Otowi Bridge	—	10/19/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-176	CAWR-16-126321	GEL
Rio Grande at Otowi Bridge	—	07/30/2008	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.1	—	—	2	µg/L	Y	J	J	08-1595	CAWR-08-12212	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.32	—	—	0.01	SU	Y	H	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.08	—	—	0.01	SU	Y	H	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL

Table C-1 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	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	177	—	—	1.45	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	151	—	—	1.45	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00575	0.00635	0.0336	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00161	0.00483	0.0394	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.62	—	—	2	µg/L	Y	J	J	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.45	—	—	1.7	µg/L	Y	J	J	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	120	—	—	1	µg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	109	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	104	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	239	—	—	1	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	29.3	—	—	15	µg/L	Y	J	J	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	29.1	—	—	15	µg/L	Y	J	J	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	32.3	—	—	15	µg/L	Y	J	J	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.1	—	—	15	µg/L	Y	J	J	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	29.9	—	—	15	µg/L	Y	J	J	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0701	—	—	0.067	mg/L	Y	J	J	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0768	—	—	0.067	mg/L	Y	J	J	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.121	—	—	0.067	mg/L	Y	J	J	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	46.1	—	—	0.05	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	37.5	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	35.4	—	—	0.05	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	45	—	—	0.05	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.8	—	—	0.05	mg/L	Y	—	J-	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0671	0.989	3.86	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.09	0.925	3.67	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.93	—	—	0.067	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.4	—	—	0.067	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	5.11	1.9	7.15	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.92	1.27	3.87	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL

Table C-1 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	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.513	—	—	0.033	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.441	—	—	0.033	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.32	0.995	2.9	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.988	0.848	2.9	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3	0.748	1.94	—	pCi/L	Y	—	NQ	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.66	0.572	1.74	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.453	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	103	—	—	0.453	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	97.1	—	—	0.453	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	—	0.453	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	191	—	—	0.453	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	946	—	—	30	µg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	831	—	—	30	µg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	778	—	—	30	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	429	—	—	30	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	158	—	—	30	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.53	—	—	0.11	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.19	—	—	0.11	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.12	—	—	0.11	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.46	—	—	0.11	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.78	—	—	0.11	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	302	—	—	2	µg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	250	—	—	2	µg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	298	—	—	2	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	679	—	—	2	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	994	—	—	2	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.2	µg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.42	—	—	0.3	µg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.802	—	—	0.165	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.28	—	—	0.165	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.38	2.4	8.97	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.214	1.83	6.41	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.23	—	—	0.6	µg/L	Y	J	J	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.24	—	—	0.5	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0757	—	—	0.017	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	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	2017-176	CAWR-16-126348	GEL

Table C-1 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	—	10/14/2015	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	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	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	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	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	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00984	0.0492	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00932	0.00659	0.0463	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00568	0.0133	0.0638	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00466	0.00807	0.0535	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.37	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.45	—	—	0.05	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.17	—	—	0.05	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12	17.7	74.1	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.85	14.7	39.3	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.8	—	—	0.053	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.5	—	—	0.053	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54	—	—	0.053	mg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	27.2	—	—	0.1	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	23.2	—	—	0.1	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.6	—	—	0.1	mg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	40.7	—	—	0.1	mg/L	Y	—	J-	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.588	1.55	6.27	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0708	1	3.82	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	370	—	—	1	uS/cm	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	306	—	—	1	uS/cm	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	279	—	—	3.63	uS/cm	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	330	—	—	3.63	uS/cm	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	529	—	—	1	uS/cm	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	512	—	—	1	µg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	441	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	402	—	—	1	µg/L	Y	—	NQ	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	514	—	—	1	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	665	—	—	1	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.184	0.122	0.483	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.189	0.108	0.461	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL

Table C-1 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	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.48	—	—	0.133	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.84	—	—	0.133	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-129	CAWR-18-147698	GEL
Sacred Spring	—	07/28/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	22	—	—	—	deg C	N	*	—	28-JUL-94	9407WGGSDS	NA
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.48	—	—	2.5	µg/L	Y	J	J	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	224	—	—	3.4	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	270	—	—	3.4	mg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.63	—	—	0.33	mg/L	Y	—	NQ	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.755	—	—	0.33	mg/L	Y	J	J	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	3.82	—	—	0.1	mg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0364	—	—	0.02	mg/L	Y	J	J	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0506	—	—	0.017	mg/L	Y	—	U	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	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	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0828	—	—	0.017	mg/L	Y	—	U	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.251	0.855	2.912	—	pCi/L	Y	U*	U	2018-214	CAWR-18-147311	ARSL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.022	0.644	2.199	—	pCi/L	Y	U	U	2017-182	CAWR-16-126322	ARSL
Sacred Spring	—	10/14/2015	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	—	10/30/2014	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	—	12/12/2013	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	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.621	—	—	0.067	µg/L	Y	—	NQ	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.481	—	—	0.067	µg/L	Y	—	NQ	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.25	—	—	0.067	µg/L	Y	—	NQ	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	5.45	—	—	0.067	µg/L	Y	—	NQ	2014-2681	CAWR-13-42161	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.558	0.0534	0.0905	—	pCi/L	Y	—	NQ	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.31	0.0419	0.279	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0627	0.0224	0.0966	—	pCi/L	Y	U	U	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0372	0.0186	0.146	—	pCi/L	Y	U	U	2017-176	CAWR-16-126322	GEL
Sacred Spring	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.321	0.0405	0.0876	—	pCi/L	Y	—	NQ	2018-129	CAWR-18-147311	GEL
Sacred Spring	—	10/19/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.0342	0.187	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126322	GEL

Table C-1 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	—	10/14/2015	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	GEL
Sacred Spring	—	10/30/2014	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	GEL
Sacred Spring	—	12/12/2013	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	GEL
Sacred Spring	—	10/03/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.36	—	—	1	µg/L	Y	J	J	2018-129	CAWR-18-147289	GEL
Sacred Spring	—	10/19/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.31	—	—	1	µg/L	Y	J	J	2017-176	CAWR-16-126348	GEL
Sacred Spring	—	10/14/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.72	—	—	1	µg/L	Y	J	J	2016-57	CAWR-16-104440	GEL
Sacred Spring	—	10/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	2015-207	CAWR-14-89236	GEL
Sacred Spring	—	12/12/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.29	—	—	1	µg/L	Y	J	J	2014-2681	CAWR-13-42161	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	10/18/2006	WP	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	J	174497	GU061000P12301	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	1.45	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	118	—	—	1.45	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	134	—	—	1.45	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	139	—	—	1.45	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	10/18/2006	WP	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	172	—	—	0.725	mg/L	Y	—	NQ	174497	GU061000P12301	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.129	—	—	0.017	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0539	—	—	0.017	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0558	—	—	0.017	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.144	—	—	0.017	mg/L	Y	—	U	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.153	—	—	0.017	mg/L	Y	—	J+	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.54	—	—	2	µg/L	Y	J	J	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.58	—	—	2	µg/L	Y	J	J	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.13	—	—	2	µg/L	Y	J	J	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.28	—	—	2	µg/L	Y	J	J	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.26	—	—	2	µg/L	Y	J	J	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.87	—	—	1.7	µg/L	Y	J	J	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.1	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.4	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.4	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	36.3	—	—	1	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	39.6	—	—	15	µg/L	Y	J	J	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	39.3	—	—	15	µg/L	Y	J	J	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	86.8	—	—	15	µg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	81.7	—	—	15	µg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	86.9	—	—	15	µg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.3	—	—	15	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	51.9	—	—	15	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	51.3	—	—	15	µg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	51.2	—	—	15	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL

Table C-1 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
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	44.9	—	—	15	µg/L	Y	J	J	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.26	—	—	0.067	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.62	—	—	0.067	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.6	—	—	0.067	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.56	—	—	0.067	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.04	—	—	0.067	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.6	—	—	0.67	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	42.7	—	—	0.67	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	33.8	—	—	0.335	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	42.7	—	—	0.67	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	77.2	—	—	1.34	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.03	—	—	3	µg/L	Y	J	J	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.16	—	—	3	µg/L	Y	J	J	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.62	—	—	3	µg/L	Y	J	J	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.39	—	—	3	µg/L	Y	J	J	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.97	—	—	3	µg/L	Y	J	J	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.64	—	—	3	µg/L	Y	J	J	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.97	—	—	3	µg/L	Y	J	J	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	3	µg/L	Y	U	U	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	3	µg/L	Y	U	U	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.94	—	—	2	µg/L	Y	J	J	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	IC-ICPMS:Metals	Chromium hexavalent ion	Cr(VI)	Y	0.585	—	—	0.152	µg/L	Y	J	J-	2018-1106	CASA-18-148738	BAL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	IC-ICPMS:Metals	Chromium hexavalent ion	Cr(VI)	Y	0.183	—	—	0.15	µg/L	Y	J	J	2017-2452	CASA-17-142092	BAL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	IC-ICPMS:Metals	Chromium hexavalent ion	Cr(VI)	Y	0.71	—	—	0.152	µg/L	Y	—	NQ	2017-1582	CASA-17-136880	BAL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.234	—	—	0.033	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.327	—	—	0.033	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.128	—	—	0.066	mg/L	Y	J	J	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.4	—	—	0.453	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.9	—	—	0.453	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	57.3	—	—	0.453	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.8	—	—	0.453	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.1	—	—	0.453	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58	—	—	0.453	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63	—	—	0.453	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.7	—	—	0.453	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.4	—	—	0.453	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	243	—	—	30	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	329	—	—	30	µg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	720	—	—	30	µg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL

Table C-1 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
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	475	—	—	30	µg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	780	—	—	30	µg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	274	—	—	30	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	422	—	—	30	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	245	—	—	30	µg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	189	—	—	30	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	1330	—	—	30	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.06	—	—	0.11	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.13	—	—	0.11	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.95	—	—	0.11	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.69	—	—	0.11	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.57	—	—	0.11	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.3	—	—	0.11	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.8	—	—	0.11	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.71	—	—	0.11	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.48	—	—	0.11	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	15.2	—	—	2	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	18	—	—	2	µg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	163	—	—	2	µg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	135	—	—	2	µg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	128	—	—	2	µg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	23.5	—	—	2	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	31.6	—	—	2	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.99	—	—	2	µg/L	Y	J	J	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.04	—	—	2	µg/L	Y	J	J	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	216	—	—	2	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.97	—	—	0.2	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	—	0.2	µg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.87	—	—	0.2	µg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.87	—	—	0.2	µg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.2	µg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.12	—	—	0.2	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.93	—	—	0.2	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.18	—	—	0.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.17	—	—	0.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.73	—	—	0.165	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.702	—	—	0.017	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.283	—	—	0.017	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.212	—	—	0.017	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.405	—	—	0.017	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	—	0.085	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000124	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000246	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000374	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000205	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-105	32598-14-4	Y	0.000017	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-110/PCB-115	PCB-110/115	Y	0.0000918	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-110/PCB-115	PCB-110/115	Y	0.000181	—	—	0.0000139	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-110/PCB-115	PCB-110/115	Y	0.00023	—	—	0.0000147	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-110/PCB-115	PCB-110/115	Y	0.000161	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-110/PCB-115	PCB-110/115	N	0.0000145	—	—	0.0000145	µg/L	Y	U	U	2017-623	CASA-17-127515	CFA

Table C-1 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
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000413	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000899	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.000125	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000731	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-118	31508-00-6	Y	0.0000556	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.00016	—	—	0.0000215	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.00033	—	—	0.0000208	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000448	—	—	0.000022	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000271	—	—	0.0000224	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000196	—	—	0.0000218	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.0000444	—	—	0.0000137	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.000101	—	—	0.0000132	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.000146	—	—	0.000014	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.0000797	—	—	0.0000142	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-132	38380-05-1	Y	0.0000578	—	—	0.0000139	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.0000646	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.000129	—	—	0.0000139	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.000176	—	—	0.0000147	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.0000968	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-135/PCB-151	PCB-135/151	Y	0.0000665	—	—	0.0000145	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.0000187	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.000037	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.0000477	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.0000293	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-136	38411-22-2	Y	0.0000191	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.000032	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.000065	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.0000952	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.0000518	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-141	52712-04-6	Y	0.0000375	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.0000235	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.0000437	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.0000642	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.0000261	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-146	51908-16-8	Y	0.0000292	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000137	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000295	—	—	0.0000139	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000392	—	—	0.0000147	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000219	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-147/PCB-149	PCB-147/149	Y	0.000152	—	—	0.0000145	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000144	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000318	—	—	0.0000139	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000415	—	—	0.0000147	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000245	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-153/PCB-168	PCB-153/168	Y	0.000176	—	—	0.0000145	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.000012	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.0000224	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.0000341	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.00002	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-158	74472-42-7	Y	0.0000142	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000106	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000196	—	—	0.00000695	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA

Table C-1 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
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000302	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000175	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-164	74472-45-0	Y	0.0000103	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.0000464	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.0000947	—	—	0.0000138	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.000124	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.000094	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-170	35065-30-6	Y	0.0000602	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.00000793	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.0000148	—	—	0.00000695	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.0000251	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.0000179	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-172	52663-74-8	Y	0.0000142	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.0000551	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000123	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000164	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000118	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-174	38411-25-5	Y	0.0000718	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000336	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000634	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000903	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000647	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-177	52663-70-4	Y	0.0000405	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000122	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.000021	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000316	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000216	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-178	52663-67-9	Y	0.000014	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000236	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000477	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000653	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000316	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-179	52663-64-6	Y	0.0000277	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	Y	0.000123	—	—	0.0000159	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	N	0.0000154	—	—	0.0000154	µg/L	Y	U	U	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	N	0.0000163	—	—	0.0000163	µg/L	Y	U	U	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	N	0.0000149	—	—	0.0000149	µg/L	Y	U	U	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-180/PCB-193	PCB-180/193	Y	0.000154	—	—	0.0000145	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-183/PCB-185	PCB-183/185	Y	0.0000343	—	—	0.0000143	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-183/PCB-185	PCB-183/185	Y	0.000068	—	—	0.0000139	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-183/PCB-185	PCB-183/185	Y	0.000101	—	—	0.0000147	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-183/PCB-185	PCB-183/185	Y	0.0000707	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-183/PCB-185	PCB-183/185	Y	0.0000443	—	—	0.0000145	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.0000741	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.000144	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.000192	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.000134	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-187	52663-68-0	Y	0.0000898	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.0000111	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.0000185	—	—	0.00000695	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.0000293	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.0000214	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA

Table C-1 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
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-190	41411-64-7	Y	0.0000137	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000315	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000477	—	—	0.0000138	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000629	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000398	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-194	35694-08-7	Y	0.0000362	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000128	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000194	—	—	0.00000695	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000306	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000145	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-195	52663-78-2	Y	0.0000141	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000155	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000228	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000348	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000204	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-196	42740-50-1	Y	0.0000172	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000346	—	—	0.0000143	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.000057	—	—	0.0000139	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000787	—	—	0.0000147	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000458	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-198/PCB-199	PCB-198/199	Y	0.0000364	—	—	0.0000145	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.0000218	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.000032	—	—	0.0000138	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.0000464	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.0000268	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-203	52663-76-0	Y	0.0000211	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	Y	0.00000803	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	Y	0.00000722	—	—	0.00000695	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	Y	0.0000129	—	—	0.00000736	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	N	0.00000745	—	—	0.00000745	µg/L	Y	U	U	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-206	40186-72-9	Y	0.00000954	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.000108	—	—	0.0000215	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.000101	—	—	0.0000208	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.0000519	—	—	0.000022	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.000163	—	—	0.0000224	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.0000225	—	—	0.0000218	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.0000663	—	—	0.0000143	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.0000412	—	—	0.0000139	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.000017	—	—	0.0000147	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.000103	—	—	0.0000149	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-45/PCB-51	PCB-45/51	N	0.0000145	—	—	0.0000145	µg/L	Y	U	U	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000414	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000605	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000702	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000457	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-52	35693-99-3	Y	0.0000496	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.00000926	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.0000129	—	—	0.00000695	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.0000189	—	—	0.00000736	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.0000112	—	—	0.00000745	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-66	32598-10-0	Y	0.00001	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.0000224	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA

Table C-1 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
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.0000228	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.000013	—	—	0.00000736	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.00006	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-68	73575-52-7	N	0.00000727	—	—	0.00000727	µg/L	Y	U	U	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-84	52663-60-2	Y	0.0000142	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-84	52663-60-2	Y	0.000028	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-84	52663-60-2	Y	0.0000356	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-84	52663-60-2	Y	0.0000247	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-84	52663-60-2	Y	0.0000176	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-86/87/97/109/119/125	PCB-86-125	Y	0.0000444	—	—	0.000043	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-86/87/97/109/119/125	PCB-86-125	Y	0.0000832	—	—	0.0000416	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-86/87/97/109/119/125	PCB-86-125	Y	0.000109	—	—	0.000044	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-86/87/97/109/119/125	PCB-86-125	Y	0.000073	—	—	0.0000448	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-86/87/97/109/119/125	PCB-86-125	Y	0.0000497	—	—	0.0000436	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.0000899	—	—	0.0000215	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000178	—	—	0.0000208	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000227	—	—	0.000022	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000153	—	—	0.0000224	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000109	—	—	0.0000218	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000169	—	—	0.00000718	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.000032	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000435	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000282	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-92	52663-61-3	Y	0.0000172	—	—	0.00000727	µg/L	Y	J	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.0000603	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.00014	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.000164	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.0000982	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-95	38379-99-6	Y	0.0000799	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000279	—	—	0.00000718	µg/L	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000438	—	—	0.00000695	µg/L	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000701	—	—	0.00000736	µg/L	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000458	—	—	0.00000745	µg/L	Y	—	NQ	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-99	38380-01-7	Y	0.0000305	—	—	0.00000727	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.26	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.27	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.42	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.66	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.91	—	—	0.05	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	11	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	91.9	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	91.4	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.6	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.4	—	—	0.053	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	85.2	—	—	0.053	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	84.9	—	—	0.053	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.1	—	—	0.053	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL

Table C-1 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
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.6	—	—	0.053	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	10/18/2006	WP	UF	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	107	—	—	0.16	mg/L	Y	—	J	174497	GU061000P12301	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	45.9	—	—	0.1	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	46.1	—	—	0.1	mg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	54.5	—	—	0.1	mg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	50.2	—	—	0.1	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	50.5	—	—	0.1	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	60.3	—	—	0.1	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	65.9	—	—	0.1	mg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	84.5	—	—	0.1	mg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	84.6	—	—	0.1	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	40.5	—	—	0.1	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	61.5	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	62	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	68.2	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	62.6	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	64.1	—	—	1	µg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.9	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.6	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.6	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	61.8	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	62.7	—	—	1	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.5	—	—	0.133	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.8	—	—	0.133	mg/L	Y	—	J+	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.43	—	—	0.133	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	19.7	—	—	0.133	mg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	23.6	—	—	0.266	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	300	—	—	—	mg/L	Y	—	NQ	2018-1107	CASA-18-148732	DRI
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	300	—	—	—	mg/L	Y	—	NQ	2017-2471	CASA-17-142082	DRI
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	400	—	—	—	mg/L	Y	—	NQ	2017-1619	CASA-17-132676	DRI
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	400	—	—	—	mg/L	Y	—	NQ	2017-1108	CASA-17-130018	DRI
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	300	—	—	—	mg/L	Y	—	NQ	2017-626	CASA-17-127515	DRI
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.3	—	—	—	deg C	Y	—	NQ	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.5	—	—	—	deg C	Y	—	NQ	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2415	CASA-17-142050	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.3	—	—	—	deg C	Y	—	NQ	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.34	—	—	2.5	µg/L	Y	J	J	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.35	—	—	2.5	µg/L	Y	J	J	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000421	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000633	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA

Table C-1 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
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000881	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000616	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total heptaCB	28655-71-2	Y	0.000556	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.000648	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.00145	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.00201	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.00115	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total hexaCB	26601-64-9	Y	0.000809	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	Y	0.00000803	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	Y	0.00000722	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	Y	0.0000129	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	N	0	—	—	—	µg/L	Y	U	U	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total nonaCB	53742-07-7	Y	0.00000954	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000116	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000179	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000275	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000147	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total octaCB	55722-26-4	Y	0.000125	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00184	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00337	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00452	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00297	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total PCB	1336-36-3	Y	0.00196	—	—	—	µg/L	Y	—	J	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.000399	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.00081	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.0011	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.000677	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total pentaCB	25429-29-2	Y	0.000377	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.751	—	—	0.02	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.16	—	—	0.02	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.62	—	—	0.02	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.09	—	—	0.02	mg/L	Y	—	J+	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.12	—	—	0.02	mg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000247	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148732	CFA
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000285	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142082	CFA
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000242	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132676	CFA
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000383	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130018	CFA
Sandia below Wetlands	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total tetraCB	26914-33-0	Y	0.0000821	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127515	CFA
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.204	—	—	0.067	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.19	—	—	0.067	µg/L	Y	J	J	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.127	—	—	0.067	µg/L	Y	J	J	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.122	—	—	0.067	µg/L	Y	J	J	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.16	—	—	0.067	µg/L	Y	J	J	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.175	—	—	0.067	µg/L	Y	J	J	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.177	—	—	0.067	µg/L	Y	J	J	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.181	—	—	0.067	µg/L	Y	J	J	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.132	—	—	0.067	µg/L	Y	J	U	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.62	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.49	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.65	—	—	1	µg/L	Y	J	J	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.35	—	—	1	µg/L	Y	J	J	2017-2456	CASA-17-142079	GEL

Table C-1 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
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.2	—	—	1	µg/L	Y	J	J	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.25	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.97	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.45	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.38	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.01	—	—	1	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia below Wetlands	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.52	—	—	3.3	µg/L	Y	J	J	2018-1102	CASA-18-148735	GEL
Sandia below Wetlands	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	7.22	—	—	3.3	µg/L	Y	J	J	2018-1102	CASA-18-148732	GEL
Sandia below Wetlands	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.38	—	—	3.3	µg/L	Y	J	J	2017-2456	CASA-17-142082	GEL
Sandia below Wetlands	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	7.38	—	—	3.3	µg/L	Y	J	J	2017-2456	CASA-17-142079	GEL
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.93	—	—	3.3	µg/L	Y	J	J	2017-2415	CASA-17-142049	GEL
Sandia below Wetlands	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	24.9	—	—	3.3	µg/L	Y	*	NQ	2017-1577	CASA-17-132636	GEL
Sandia below Wetlands	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.7	—	—	—	µg/L	Y	*	NQ	2017-1577	CASA-17-132676	GEL
Sandia below Wetlands	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.04	—	—	3.3	µg/L	Y	J	J	2017-1078	CASA-17-130018	GEL
Sandia below Wetlands	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.2	—	—	3.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130015	GEL
Sandia below Wetlands	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	16.9	—	—	3.3	µg/L	Y	—	NQ	2016-1993	CASA-16-124333	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	0.01	SU	Y	H	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.68	—	—	0.01	SU	Y	H	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.2	—	—	1.45	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.4	—	—	1.45	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	142	—	—	1.45	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	172	—	—	1.45	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.14	—	—	0.017	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.116	—	—	0.017	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.181	—	—	0.017	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.159	—	—	0.017	mg/L	Y	—	J+	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0399	—	—	0.017	mg/L	Y	J	U	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.5	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.8	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.7	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.8	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.9	—	—	1	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.1	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.1	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.5	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.2	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.6	—	—	1	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	42.8	—	—	15	µg/L	Y	J	J	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	43.1	—	—	15	µg/L	Y	J	J	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	110	—	—	15	µg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	105	—	—	15	µg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	170	—	—	15	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.1	—	—	15	µg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	52.1	—	—	15	µg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	64.5	—	—	15	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	62.7	—	—	15	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	34.2	—	—	15	µg/L	Y	J	J	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.4	—	—	0.067	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.21	—	—	0.067	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	4.7	—	—	0.67	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL

Table C-1 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
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.963	—	—	0.067	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.87	—	—	0.067	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.2	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.6	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.2	—	—	0.67	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	48.9	—	—	0.67	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.7	—	—	0.67	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	42.6	—	—	0.67	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	51.3	—	—	0.67	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.11	—	—	3	µg/L	Y	J	J	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.22	—	—	3	µg/L	Y	J	J	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.65	—	—	3	µg/L	Y	J	J	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.17	—	—	3	µg/L	Y	J	J	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.33	—	—	3	µg/L	Y	J	J	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.08	—	—	3	µg/L	Y	J	J	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.92	—	—	2	µg/L	Y	J	J	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	IC-ICPMS:Metals	Chromium hexavalent ion	Cr(VI)	Y	2.57	—	—	0.152	µg/L	Y	J	J-	2018-1106	CASA-18-148739	BAL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	IC-ICPMS:Metals	Chromium hexavalent ion	Cr(VI)	Y	0.964	—	—	0.15	µg/L	Y	J	J	2017-2452	CASA-17-142146	BAL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	IC-ICPMS:Metals	Chromium hexavalent ion	Cr(VI)	Y	3.7	—	—	0.152	µg/L	Y	—	NQ	2017-1582	CASA-17-136881	BAL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.033	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.15	—	—	0.033	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.354	—	—	0.033	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.202	—	—	0.066	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.8	—	—	0.453	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	—	—	0.453	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.7	—	—	0.453	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.5	—	—	0.453	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.1	—	—	0.453	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.7	—	—	0.453	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68	—	—	0.453	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83.4	—	—	0.453	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.5	—	—	0.453	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	37.3	—	—	30	µg/L	Y	J	J	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	53.3	—	—	30	µg/L	Y	J	J	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	75.3	—	—	30	µg/L	Y	J	J	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	52.1	—	—	30	µg/L	Y	J	J	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	115	—	—	30	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	62.4	—	—	30	µg/L	Y	J	J	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	110	—	—	30	µg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL

Table C-1 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
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	75.6	—	—	30	µg/L	Y	J	J	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	51.2	—	—	30	µg/L	Y	J	J	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	373	—	—	30	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.79	—	—	0.11	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.75	—	—	0.11	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.62	—	—	0.11	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.24	—	—	0.11	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.33	—	—	0.11	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.45	—	—	0.11	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.82	—	—	0.11	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.67	—	—	0.11	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.94	—	—	0.11	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.15	—	—	2	µg/L	Y	J	J	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.92	—	—	2	µg/L	Y	J	J	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	8.74	—	—	2	µg/L	Y	J	J	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	6.24	—	—	2	µg/L	Y	J	J	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	8.99	—	—	2	µg/L	Y	J	J	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.43	—	—	2	µg/L	Y	J	J	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	9.03	—	—	2	µg/L	Y	J	J	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	12.2	—	—	2	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.25	—	—	2	µg/L	Y	J	J	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	12.1	—	—	2	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.2	µg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.65	—	—	0.2	µg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.2	µg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	—	0.2	µg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.59	—	—	0.2	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.02	—	—	0.2	µg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.09	—	—	0.2	µg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.71	—	—	0.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.84	—	—	0.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.81	—	—	0.165	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.791	—	—	0.017	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.766	—	—	0.017	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.28	—	—	0.085	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.19	—	—	0.017	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.8	—	—	0.085	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000136	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000125	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000232	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-105	32598-14-4	Y	0.0000264	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-105	32598-14-4	Y	0.0000212	—	—	0.00000737	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000393	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000473	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000788	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-118	31508-00-6	Y	0.0000835	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-118	31508-00-6	Y	0.0000771	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000174	—	—	0.0000221	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000201	—	—	0.0000211	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000326	—	—	0.0000219	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000344	—	—	0.0000218	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA

Table C-1 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
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-129/PCB-138/PCB-163	PCB-129-163	Y	0.000359	—	—	0.0000221	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.0000517	—	—	0.0000141	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.0000644	—	—	0.0000134	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.0000937	—	—	0.0000139	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-132	38380-05-1	Y	0.000103	—	—	0.0000139	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-132	38380-05-1	Y	0.000102	—	—	0.0000141	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.0000774	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.0000926	—	—	0.0000141	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.000116	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-135/PCB-151	PCB-135/151	Y	0.000129	—	—	0.0000146	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-135/PCB-151	PCB-135/151	Y	0.000128	—	—	0.0000147	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.000022	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.0000303	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.0000306	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-136	38411-22-2	Y	0.0000404	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-136	38411-22-2	Y	0.0000428	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.0000397	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.000045	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.0000747	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-141	52712-04-6	Y	0.0000793	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-141	52712-04-6	Y	0.0000799	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-144	68194-14-9	Y	0.00000942	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-144	68194-14-9	Y	0.00000986	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-144	68194-14-9	Y	0.0000147	—	—	0.00000729	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-144	68194-14-9	Y	0.0000175	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-144	68194-14-9	Y	0.0000185	—	—	0.00000737	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.0000232	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.0000226	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.00004	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-146	51908-16-8	Y	0.000042	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-146	51908-16-8	Y	0.0000436	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000151	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.0002	—	—	0.0000141	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000249	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-147/PCB-149	PCB-147/149	Y	0.000305	—	—	0.0000146	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-147/PCB-149	PCB-147/149	Y	0.000292	—	—	0.0000147	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000174	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000193	—	—	0.0000141	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000304	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-153/PCB-168	PCB-153/168	Y	0.000333	—	—	0.0000146	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-153/PCB-168	PCB-153/168	Y	0.000342	—	—	0.0000147	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.0000149	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.0000136	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.0000256	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-158	74472-42-7	Y	0.0000272	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-158	74472-42-7	Y	0.0000277	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000112	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000119	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000221	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-164	74472-45-0	Y	0.0000235	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-164	74472-45-0	Y	0.000024	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.0000594	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA

Table C-1 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
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.000057	—	—	0.000014	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.0000967	—	—	0.0000145	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-170	35065-30-6	Y	0.000105	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-170	35065-30-6	Y	0.000127	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-171/PCB-173	PCB-171/173	Y	0.0000182	—	—	0.0000147	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-171/PCB-173	PCB-171/173	Y	0.0000152	—	—	0.0000141	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-171/PCB-173	PCB-171/173	Y	0.0000337	—	—	0.0000146	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-171/PCB-173	PCB-171/173	Y	0.0000335	—	—	0.0000146	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-171/PCB-173	PCB-171/173	Y	0.0000394	—	—	0.0000147	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.0000104	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.00000722	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.0000187	—	—	0.00000729	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-172	52663-74-8	Y	0.0000133	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-172	52663-74-8	Y	0.0000237	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000069	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000076	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000119	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-174	38411-25-5	Y	0.000122	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-174	38411-25-5	Y	0.000137	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-176	52663-65-7	Y	0.00000894	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-176	52663-65-7	Y	0.00000783	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-176	52663-65-7	N	0.00000729	—	—	0.00000729	µg/L	Y	U	U	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-176	52663-65-7	Y	0.0000133	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-176	52663-65-7	Y	0.0000139	—	—	0.00000737	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000356	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000385	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.0000658	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-177	52663-70-4	Y	0.000064	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-177	52663-70-4	Y	0.0000736	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000137	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000135	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000225	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-178	52663-67-9	Y	0.0000213	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-178	52663-67-9	Y	0.0000235	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000286	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000312	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000481	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-179	52663-64-6	Y	0.0000447	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-179	52663-64-6	Y	0.0000478	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	Y	0.000141	—	—	0.0000164	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	Y	0.000143	—	—	0.0000156	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	Y	0.000237	—	—	0.0000162	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-180/PCB-193	PCB-180/193	N	0.0000146	—	—	0.0000146	µg/L	Y	U	UJ	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-180/PCB-193	PCB-180/193	N	0.0000147	—	—	0.0000147	µg/L	Y	U	U	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.0000874	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.0000894	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.000149	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-187	52663-68-0	Y	0.000139	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-187	52663-68-0	Y	0.000155	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.0000115	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.00000978	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.000023	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA

Table C-1 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
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-190	41411-64-7	Y	0.0000225	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-190	41411-64-7	Y	0.0000267	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000344	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000259	—	—	0.000014	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000461	—	—	0.0000145	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-194	35694-08-7	Y	0.0000457	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-194	35694-08-7	Y	0.0000593	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000141	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.00000852	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000207	—	—	0.00000729	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-195	52663-78-2	Y	0.0000195	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-195	52663-78-2	Y	0.0000231	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.000018	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000112	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000247	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-196	42740-50-1	Y	0.0000207	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-196	42740-50-1	Y	0.0000256	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000396	—	—	0.0000147	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000306	—	—	0.0000141	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000548	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-198/PCB-199	PCB-198/199	Y	0.0000488	—	—	0.0000146	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-198/PCB-199	PCB-198/199	Y	0.0000528	—	—	0.0000147	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.0000236	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.0000149	—	—	0.000014	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.0000336	—	—	0.0000145	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-203	52663-76-0	Y	0.000027	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-203	52663-76-0	Y	0.0000347	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	Y	0.0000105	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	N	0.00000704	—	—	0.00000704	µg/L	Y	U	U	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	N	0.00000729	—	—	0.00000729	µg/L	Y	U	U	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-206	40186-72-9	N	0.00000728	—	—	0.00000728	µg/L	Y	U	UJ	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-206	40186-72-9	N	0.00000737	—	—	0.00000737	µg/L	Y	U	U	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-31	16606-02-3	Y	0.00000846	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-31	16606-02-3	N	0.00000704	—	—	0.00000704	µg/L	Y	U	U	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-31	16606-02-3	Y	0.0000129	—	—	0.00000729	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-31	16606-02-3	Y	0.0000124	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-31	16606-02-3	Y	0.0000166	—	—	0.00000737	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.000164	—	—	0.0000221	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.0000639	—	—	0.0000211	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.000042	—	—	0.0000219	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.00022	—	—	0.0000218	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-44/PCB-47/PCB-65	PCB-44/47/65	Y	0.0000318	—	—	0.0000221	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.0000718	—	—	0.0000147	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.0000309	—	—	0.0000141	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.0000441	—	—	0.0000146	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-45/PCB-51	PCB-45/51	Y	0.000152	—	—	0.0000146	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-45/PCB-51	PCB-45/51	N	0.0000147	—	—	0.0000147	µg/L	Y	U	U	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000352	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000434	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000482	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-52	35693-99-3	Y	0.0000571	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-52	35693-99-3	Y	0.0000717	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA

Table C-1 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
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.00000876	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.00000753	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.0000101	—	—	0.00000729	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-66	32598-10-0	Y	0.0000152	—	—	0.00000728	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-66	32598-10-0	Y	0.0000131	—	—	0.00000737	µg/L	Y	J	J	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.0000241	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.00000774	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.0000282	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-68	73575-52-7	Y	0.0000955	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-68	73575-52-7	N	0.00000737	—	—	0.00000737	µg/L	Y	U	U	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.0000848	—	—	0.0000221	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000112	—	—	0.0000211	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000134	—	—	0.0000219	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.00017	—	—	0.0000218	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-90/PCB-101/PCB-113	PCB-90-113	Y	0.000171	—	—	0.0000221	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000141	—	—	0.00000738	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000163	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000197	—	—	0.00000729	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-92	52663-61-3	Y	0.0000234	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-92	52663-61-3	Y	0.0000223	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.0000581	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.000104	—	—	0.00000704	µg/L	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.0000953	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-95	38379-99-6	Y	0.000098	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-95	38379-99-6	Y	0.000134	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000232	—	—	0.00000738	µg/L	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000187	—	—	0.00000704	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000297	—	—	0.00000729	µg/L	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	PCB-99	38380-01-7	Y	0.0000342	—	—	0.00000728	µg/L	Y	—	J+	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	PCB-99	38380-01-7	Y	0.0000256	—	—	0.00000737	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.11	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.08	—	—	0.05	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.31	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.98	—	—	0.05	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.9	—	—	0.05	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.26	—	—	0.05	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	87.7	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	86.3	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.6	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.4	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	58.5	—	—	0.053	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	97.1	—	—	0.053	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	98.4	—	—	0.053	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	107	—	—	0.053	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	104	—	—	0.053	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	06/09/2005	WS	UF	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	106	—	—	0.32	mg/L	Y	—	U	138450	GU05060P12101	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	46	—	—	0.1	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	46.3	—	—	0.1	mg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL

Table C-1 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
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	53.3	—	—	0.1	mg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	51.6	—	—	0.1	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	58	—	—	0.1	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	61.5	—	—	0.1	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	62.8	—	—	0.1	mg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	74.6	—	—	0.1	mg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	72	—	—	0.1	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	34.6	—	—	0.1	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.1	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.9	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.6	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.3	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.3	—	—	1	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	43	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	43.7	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	88.5	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	83.6	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.8	—	—	1	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.2	—	—	0.133	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.1	—	—	0.133	mg/L	Y	—	J+	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.3	—	—	0.133	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.4	—	—	0.133	mg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.3	—	—	0.133	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	300	—	—	—	mg/L	Y	—	NQ	2018-1107	CASA-18-148733	DRI
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	300	—	—	—	mg/L	Y	—	NQ	2017-2471	CASA-17-142083	DRI
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	400	—	—	—	mg/L	Y	—	NQ	2017-1619	CASA-17-132677	DRI
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	400	—	—	—	mg/L	Y	—	NQ	2017-1108	CASA-17-130019	DRI
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	GENERAL CHEMISTRY	ASTM:D3977-97	Suspended Sediment Concentration	SSC	Y	300	—	—	—	mg/L	Y	—	NQ	2017-626	CASA-17-127516	DRI
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.3	—	—	—	deg C	Y	—	NQ	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.5	—	—	—	deg C	Y	—	NQ	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-2415	CASA-17-142038	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.3	—	—	—	deg C	Y	—	NQ	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.65	—	—	2.5	µg/L	Y	J	J	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.92	—	—	2.5	µg/L	Y	J	J	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.1	—	—	2.5	µg/L	Y	J	J	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000483	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA

Table C-1 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
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000537	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.00089	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total heptaCB	28655-71-2	Y	0.000655	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total heptaCB	28655-71-2	Y	0.00076	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.000748	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.000884	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.00138	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total hexaCB	26601-64-9	Y	0.00152	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total hexaCB	26601-64-9	Y	0.00154	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	Y	0.0000105	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	N	0	—	—	—	µg/L	Y	U	U	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	N	0	—	—	—	µg/L	Y	U	U	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total nonaCB	53742-07-7	N	0	—	—	—	µg/L	Y	U	UJ	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total nonaCB	53742-07-7	N	0	—	—	—	µg/L	Y	U	U	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.00013	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000091	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000189	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total octaCB	55722-26-4	Y	0.000162	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total octaCB	55722-26-4	Y	0.000206	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00192	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00215	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00315	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total PCB	1336-36-3	Y	0.00362	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total PCB	1336-36-3	Y	0.00332	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.000233	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.000488	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.00046	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total pentaCB	25429-29-2	Y	0.000653	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total pentaCB	25429-29-2	Y	0.000545	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.559	—	—	0.02	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.82	—	—	0.02	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.68	—	—	0.02	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.3	—	—	0.02	mg/L	Y	—	J+	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.12	—	—	0.02	mg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000304	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000153	—	—	—	µg/L	Y	J	J	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000204	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total tetraCB	26914-33-0	Y	0.000584	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total tetraCB	26914-33-0	Y	0.000169	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total triCB	25323-68-6	Y	0.00000846	—	—	—	µg/L	Y	J	J	2018-1104	CASA-18-148733	CFA
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total triCB	25323-68-6	N	0	—	—	—	µg/L	Y	U	U	2017-2462	CASA-17-142083	CFA
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total triCB	25323-68-6	Y	0.000029	—	—	—	µg/L	Y	J	J	2017-1581	CASA-17-132677	CFA
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668C	Total triCB	25323-68-6	Y	0.0000459	—	—	—	µg/L	Y	J	J	2017-1079	CASA-17-130019	CFA
Sandia right fork at Pwr Plant	—	12/01/2016	WS	UF	INIT	REG	PCBCONGENERS	EPA:1668A	Total triCB	25323-68-6	Y	0.0000845	—	—	—	µg/L	Y	—	NQ	2017-623	CASA-17-127516	CFA
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.228	—	—	0.067	µg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.236	—	—	0.067	µg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.128	—	—	0.067	µg/L	Y	J	J	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.131	—	—	0.067	µg/L	Y	J	J	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.117	—	—	0.067	µg/L	Y	J	J	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.178	—	—	0.067	µg/L	Y	J	J	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.189	—	—	0.067	µg/L	Y	J	J	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.333	—	—	0.067	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL

Table C-1 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
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.352	—	—	0.067	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.256	—	—	0.067	µg/L	Y	—	U	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.1	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.9	—	—	1	µg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.57	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.28	—	—	1	µg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.91	—	—	1	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.52	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9	—	—	1	µg/L	Y	—	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.26	—	—	1	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	21.5	—	—	3.3	µg/L	Y	—	NQ	2018-1102	CASA-18-148736	GEL
Sandia right fork at Pwr Plant	—	11/28/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	23.1	—	—	3.3	µg/L	Y	—	NQ	2018-1102	CASA-18-148733	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	29.3	—	—	3.3	µg/L	Y	—	NQ	2017-2456	CASA-17-142083	GEL
Sandia right fork at Pwr Plant	—	08/10/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	26.2	—	—	3.3	µg/L	Y	—	NQ	2017-2456	CASA-17-142080	GEL
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	37.5	—	—	3.3	µg/L	Y	—	NQ	2017-2415	CASA-17-142031	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	23.7	—	—	3.3	µg/L	Y	*	NQ	2017-1577	CASA-17-132637	GEL
Sandia right fork at Pwr Plant	—	05/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	31.5	—	—	3.3	µg/L	Y	*	NQ	2017-1577	CASA-17-132677	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	42.3	—	—	3.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130019	GEL
Sandia right fork at Pwr Plant	—	02/22/2017	WS	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	38.2	—	—	3.3	µg/L	Y	—	NQ	2017-1078	CASA-17-130016	GEL
Sandia right fork at Pwr Plant	—	08/08/2016	WS	UF	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	25.9	—	—	3.3	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	1.45	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	1.45	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00899	0.0324	0.158	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00908	0.01	0.074	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	Y	0.183	—	—	0.0347	µg/L	Y	—	NQ	2018-366	CAWR-18-147404	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	N	0.102	—	—	0.034	µg/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	WG	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	N	0.102	—	—	0.034	µg/L	Y	U	U	2016-38	CAWR-16-104424	GEL
Spring 1	—	09/29/2014	WG	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	N	0.1	—	—	0.0333	µg/L	Y	U	U	2014-4642	CAWR-14-86942	GEL
Spring 1	—	09/24/2007	WG	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	N	0.114	—	—	0.0378	µg/L	Y	U	U	194451	GU070900G1SW02	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.11	—	—	2	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.23	—	—	1.7	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.05	—	—	1.7	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	5.51	—	—	1.7	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.5	—	—	1	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.9	—	—	1	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.2	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL

Table C-1 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	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.3	—	—	15	µg/L	Y	J	J	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.1	—	—	15	µg/L	Y	J	J	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.9	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	38.5	—	—	15	µg/L	Y	J	J	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.9	—	—	15	µg/L	Y	J	J	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15	—	—	0.05	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.4	—	—	0.05	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.704	1.4	5.36	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.57	1.28	5.21	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.43	—	—	0.067	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.92	—	—	0.067	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.22	—	—	3	µg/L	Y	J	J	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.39	—	—	3	µg/L	Y	J	J	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.3	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.38	—	—	2	µg/L	Y	J	J	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.57	—	—	2	µg/L	Y	J	J	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.375	1.09	4.33	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.36	1.28	5.15	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.511	—	—	0.033	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.417	—	—	0.033	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.33	1.04	2.68	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.7	0.998	2.88	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.1	0.832	2.29	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.95	0.842	2.63	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.7	—	—	0.453	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.3	—	—	0.453	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.4	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.17	—	—	0.11	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.935	—	—	0.11	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL

Table C-1 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	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.905	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.993	—	—	0.11	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.967	—	—	0.11	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.34	—	—	2	µg/L	Y	J	J	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.38	—	—	2	µg/L	Y	J	J	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.67	—	—	0.2	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.55	—	—	0.3	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.58	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.61	—	—	0.165	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.58	—	—	0.165	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.23	2.52	10.2	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.81	2.49	9.73	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.365	—	—	0.017	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.385	—	—	0.017	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.316	—	—	0.05	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.304	—	—	0.05	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0153	0.0306	0.133	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.011	0.00907	0.0438	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00765	0.0276	0.172	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0088	0.00696	0.0506	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.2	—	—	0.05	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.14	—	—	0.05	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.1	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.08	—	—	0.05	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	39.5	23.7	39.3	—	pCi/L	Y	UI	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22.5	17.8	70.1	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31.3	—	—	0.053	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31.2	—	—	0.053	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	31.8	—	—	0.1	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	30.5	—	—	0.1	mg/L	Y	E	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	30.2	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	31.8	—	—	0.1	mg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	30	—	—	0.1	mg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.464	1.42	5.43	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.357	1.17	5.07	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	248	—	—	1	uS/cm	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	212	—	—	1	uS/cm	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	200	—	—	3.63	uS/cm	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	3.63	uS/cm	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	213	—	—	1	uS/cm	Y	—	NQ	12-1573	CAWR-12-23464	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	203	—	—	1	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	185	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00913	0.125	0.473	—	pCi/L	Y	U	U	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.364	0.143	0.445	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.53	—	—	0.133	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.63	—	—	0.133	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	6	—	—	—	deg C	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	6	—	—	—	deg C	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	6	—	—	—	deg C	Y	—	NQ	2018-366	CAWR-18-147404	GEL
Spring 1	—	08/19/1997	WG	F	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	18.9	—	—	—	deg C	N	—	—	19-AUG-97	9708WGG1SW	UNK
Spring 1	—	06/05/1995	WG	F	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	17.1	—	—	—	deg C	N	—	—	05-JUN-95	9506WGG1SW	UNK
Spring 1	—	03/30/1995	WG	F	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	11.6	—	—	—	deg C	N	—	—	30-MAR-95	9503WGG1SW	UNK
Spring 1	—	04/04/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	12.2	—	—	—	deg C	N	*	—	04-APR-94	9404WGG1SW	NA
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.89	—	—	2.5	µg/L	Y	J	J	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.064	—	—	0.033	mg/L	Y	J	J	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0949	—	—	0.033	mg/L	Y	J	J	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-38	CAWR-16-104424	GEL
Spring 1	—	09/29/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2014-4642	CAWR-14-86942	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 1	—	09/24/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0352	—	—	0.035	mg/L	Y	J	J	12-1573	CAWR-12-23436	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.23	—	—	0.33	mg/L	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.611	—	—	0.33	mg/L	Y	J	J	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	09/24/2012	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.101	—	—	0.02	mg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0302	—	—	0.02	mg/L	Y	J	J	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0205	—	—	0.017	mg/L	Y	J	U	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	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	2014-4642	CAWR-14-86969	GEL
Spring 1	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.131	—	—	0.017	mg/L	Y	—	U	12-1573	CAWR-12-23464	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.179	0.764	2.583	—	pCi/L	Y	U	U	2018-405	CAWR-18-147356	ARSL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.464	0.649	1.974	—	pCi/L	Y	U	U	2017-113	CAWR-16-126324	ARSL
Spring 1	—	10/09/2015	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	—	09/29/2014	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	—	12/11/2013	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	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.34	—	—	0.067	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.14	—	—	0.067	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.01	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.55	—	—	0.067	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.91	0.13	0.184	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.39	0.0769	0.235	—	pCi/L	Y	—	NQ	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.204	0.0514	0.195	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0399	0.0158	0.121	—	pCi/L	Y	U	U	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.824	0.0872	0.178	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147356	GEL
Spring 1	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.702	0.0542	0.157	—	pCi/L	Y	—	NQ	2017-92	CAWR-16-126324	GEL
Spring 1	—	10/09/2015	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	GEL
Spring 1	—	09/29/2014	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	GEL
Spring 1	—	12/11/2013	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	GEL
Spring 1	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	17.3	—	—	1	µg/L	Y	—	NQ	2018-366	CAWR-18-147291	GEL
Spring 1	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.5	—	—	1	µg/L	Y	—	NQ	2017-92	CAWR-16-126350	GEL
Spring 1	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.6	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104442	GEL
Spring 1	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.8	—	—	1	µg/L	Y	—	NQ	2014-4642	CAWR-14-86969	GEL
Spring 1	—	12/11/2013	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17	—	—	1	µg/L	Y	—	NQ	2014-2663	CAWR-13-42163	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	109	—	—	1.45	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106	—	—	1.45	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	136	—	—	68	µg/L	Y	J	J	2018-366	CAWR-18-147760	GEL

Table C-1 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	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00998	0.00744	0.0583	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00832	0.0509	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	7.7	—	—	2	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	7.08	—	—	1.7	µg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	6.48	—	—	1.7	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	10.7	—	—	1.7	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	14.9	—	—	1	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.6	—	—	1	µg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.7	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	45.7	—	—	15	µg/L	Y	J	J	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	43.3	—	—	15	µg/L	Y	J	J	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	43.8	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	41.2	—	—	15	µg/L	Y	J	J	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.2	—	—	15	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0868	1.81	6.55	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	0.972	4.06	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.97	—	—	0.067	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.59	—	—	0.067	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.07	—	—	3	µg/L	Y	J	J	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.02	—	—	3	µg/L	Y	J	J	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.58	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.6	—	—	2	µg/L	Y	J	J	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.35	1.65	5.14	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.631	1.31	4.95	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.528	—	—	0.033	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.431	—	—	0.033	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL

Table C-1 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	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.27	1.14	2.92	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.49	1.51	2.94	—	pCi/L	Y	—	NQ	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.16	0.725	2.09	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.77	0.987	2.22	—	pCi/L	Y	—	NQ	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.3	—	—	0.453	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.3	—	—	0.453	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.7	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.453	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	71.4	—	—	30	µg/L	Y	J	J	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	55.1	—	—	30	µg/L	Y	J	J	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	60.8	—	—	30	µg/L	Y	J	J	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.655	—	—	0.11	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.562	—	—	0.11	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.646	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.702	—	—	0.11	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.905	—	—	0.11	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.08	—	—	0.2	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.8	—	—	0.3	µg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.69	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.14	—	—	0.165	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.67	—	—	0.165	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.06	3.23	10.7	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.133	2.07	7.31	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.246	—	—	0.017	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.241	—	—	0.017	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.226	—	—	0.05	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.207	—	—	0.05	µg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00413	0.0124	0.0715	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00217	0.0113	0.0432	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL

Table C-1 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	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00413	0.023	0.0927	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00615	0.05	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.04	—	—	0.05	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.92	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.13	—	—	0.05	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.92	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	90.6	24.2	36.8	—	pCi/L	Y	UI	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.2	15.1	60.4	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31.1	—	—	0.053	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	31	—	—	0.053	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	39.6	—	—	0.1	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	38.2	—	—	0.1	mg/L	Y	E	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	40.1	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	39.6	—	—	0.1	mg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	38.4	—	—	0.1	mg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.33	1.65	6.09	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.15	1.1	4.55	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	533	—	—	1	uS/cm	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	217	—	—	1	uS/cm	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	221	—	—	3.63	uS/cm	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	223	—	—	3.63	uS/cm	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	245	—	—	1	uS/cm	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	176	—	—	1	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	181	—	—	1	µg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	183	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	186	—	—	1	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	188	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0987	0.127	0.483	—	pCi/L	Y	U	U	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.19	0.144	0.484	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.44	—	—	0.133	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.51	—	—	0.133	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	6	—	—	—	deg C	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	6	—	—	—	deg C	Y	—	NQ	2018-366	CAWR-18-147405	GEL

Table C-1 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	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	6	—	—	—	deg C	Y	—	NQ	2018-366	CAWR-18-147758	GEL
Spring 2	—	05/03/1996	WG	F	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	14.5	—	—	—	deg C	N	—	—	03-MAY-96	9605WGG2SW	UNK
Spring 2	—	06/05/1995	WG	F	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	13.6	—	—	—	deg C	N	—	—	05-JUN-95	9506WGG2SW	UNK
Spring 2	—	04/04/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	14	—	—	—	deg C	N	*	—	04-APR-94	9404WGG2SW	NA
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	3.16	—	—	2.5	µg/L	Y	J	J	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	82.9	—	—	3.4	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	3.4	mg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.977	—	—	0.33	mg/L	Y	J	J	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.15	—	—	0.66	mg/L	Y	—	NQ	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.105	—	—	0.02	mg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0384	—	—	0.02	mg/L	Y	J	J	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0445	—	—	0.017	mg/L	Y	J	U	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	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	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.142	—	—	0.017	mg/L	Y	—	U	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.214	0.752	2.538	—	pCi/L	Y	U	U	2018-405	CAWR-18-147758	ARSL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.661	0.669	2.314	—	pCi/L	Y	U	U	2017-113	CAWR-16-126325	ARSL
Spring 2	—	10/09/2015	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	—	10/29/2014	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	—	09/24/2012	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	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.4	—	—	0.067	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.126	—	—	0.067	µg/L	Y	J	J	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.66	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL
Spring 2	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	3.08	—	—	0.067	µg/L	Y	—	J	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.83	0.0891	0.0894	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.5	0.0766	0.22	—	pCi/L	Y	—	NQ	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.172	0.0342	0.0951	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0421	0.0155	0.114	—	pCi/L	Y	U	U	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.12	0.0704	0.0865	—	pCi/L	Y	—	NQ	2018-366	CAWR-18-147758	GEL
Spring 2	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.854	0.0573	0.147	—	pCi/L	Y	—	NQ	2017-92	CAWR-16-126325	GEL
Spring 2	—	10/09/2015	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	GEL
Spring 2	—	10/29/2014	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	GEL
Spring 2	—	09/24/2012	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	GEL
Spring 2	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	25.6	—	—	1	µg/L	Y	—	NQ	2018-366	CAWR-18-147760	GEL
Spring 2	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	21.6	—	—	1	µg/L	Y	—	NQ	2017-92	CAWR-16-126351	GEL
Spring 2	—	10/09/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.9	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104443	GEL

Table C-1 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	—	10/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	26.6	—	—	1	µg/L	Y	—	NQ	2015-187	CAWR-14-89235	GEL
Spring 2	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.45	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23465	GEL
Spring 3	—	10/10/2017	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	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.76	—	—	0.01	SU	Y	H	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	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-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.6	—	—	1.45	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.3	—	—	0.725	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0115	0.0089	0.0403	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00819	0.00647	0.0501	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0035	0.00607	0.0444	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00698	0.00616	0.0317	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000468	0.00285	0.0395	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.96	—	—	2	µg/L	Y	J	J	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.65	—	—	1.7	µg/L	Y	J	J	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.05	—	—	1.7	µg/L	Y	J	J	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.97	—	—	1.7	µg/L	Y	J	J	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.54	—	—	1.5	µg/L	Y	J	J	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	46	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.6	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.7	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.1	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.2	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.1	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.571	0.949	3.38	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.686	1.32	5.13	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.212	1.36	5	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.949	1.56	5.67	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0999	0.791	1.97	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.18	—	—	0.067	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.66	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.19	—	—	0.067	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.98	—	—	0.067	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.88	—	—	0.066	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.02	—	—	3	µg/L	Y	J	J	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.9	—	—	3	µg/L	Y	J	J	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.59	—	—	2	µg/L	Y	J	J	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.26	—	—	2	µg/L	Y	J	J	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.23	—	—	2.5	µg/L	Y	J	J	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.14	0.907	3.13	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.1	1.55	5.18	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.1	1.34	4.79	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.119	1.35	5.13	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.276	0.576	1.85	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL

Table C-1 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 3	—	10/10/2017	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.0493	—	—	0.00167	mg/L	Y	—	NQ	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	R	194647	GU070900G3SW02	GEL
Spring 3	—	04/30/2007	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	UJ	185264	GU070400G3SW01	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.37	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.372	—	—	0.033	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.35	—	—	0.033	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.366	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.11	1.03	2.74	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.968	0.841	2.93	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.326	0.724	2.86	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.799	0.59	2.01	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.41	1.18	2.94	—	pCi/L	Y	—	J	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.86	0.627	2.11	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.93	0.974	2.72	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	RE	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.91	0.948	2.91	—	pCi/L	Y	—	NQ	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	66.3	2.86	2.68	—	pCi/L	N	—	R	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.06	1.02	2.85	—	pCi/L	Y	—	NQ	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.78	0.969	2.81	—	pCi/L	Y	—	J	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.5	—	—	0.453	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.2	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66	—	—	0.453	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.9	—	—	0.453	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.9	—	—	0.35	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.95	—	—	0.11	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.93	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.99	—	—	0.11	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.9	—	—	0.11	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.99	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.2	µg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0397	2.14	7.97	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.05	2.25	8.72	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.19	2.37	7.96	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.99	2.78	10.3	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.45	4.35	14.6	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.55	—	—	0.085	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.35	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.27	—	—	0.017	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.28	—	—	0.085	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.29	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00225	0.00746	0.039	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00923	0.0073	0.0459	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00302	0.01	0.0448	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00446	0.00772	0.0254	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00183	0.00549	0.0292	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00899	0.00841	0.0505	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL

Table C-1 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 3	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00692	0.00692	0.053	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00603	0.00738	0.0396	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00223	0.00589	0.0301	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00365	0.00517	0.0345	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.98	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.79	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.84	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.89	—	—	0.05	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.09	—	—	0.05	mg/L	Y	E	J	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.3	26.3	49.1	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.41	22.3	45.1	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.5	15.1	37.4	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.479	19.8	75.4	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.76	14.2	18.2	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	44.8	—	—	0.053	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	46	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.9	—	—	0.053	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48	—	—	0.053	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.4	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.8	—	—	0.1	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.3	—	—	0.1	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.339	1.04	4.04	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1	1.46	5.33	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.74	0.976	3.18	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0773	1.3	4.86	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.495	0.555	1.75	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	—	1	uS/cm	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	212	—	—	1	uS/cm	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	194	—	—	3.63	uS/cm	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	211	—	—	1	uS/cm	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	205	—	—	1	uS/cm	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	239	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	251	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	239	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	232	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	243	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0188	0.0911	0.353	—	pCi/L	Y	U	U	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.335	0.142	0.445	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0277	0.136	0.484	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0454	0.112	0.446	—	pCi/L	Y	U	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.169	0.123	0.411	—	pCi/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.5	—	—	0.133	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.01	—	—	0.133	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.57	—	—	0.133	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.42	—	—	0.133	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.14	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	10	—	—	—	deg C	Y	—	NQ	2018-373	CAWR-18-147408	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147315	GEL

Table C-1 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 3	—	09/27/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	19.6	—	—	—	deg C	N	—	—	27-SEP-94	9409WGG3SW	NA
Spring 3	—	04/04/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	17	—	—	—	deg C	N	*	—	04-APR-94	9404WGG3SW	NA
Spring 3	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.427	—	—	0.033	mg/L	Y	—	NQ	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0556	—	—	0.033	mg/L	Y	J	J+	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	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-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0666	—	—	0.035	mg/L	Y	J	J	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.07	—	—	0.029	mg/L	Y	J	JN-	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.75	—	—	0.33	mg/L	Y	J	J	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.343	—	—	0.33	mg/L	Y	J	J	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.81	—	—	0.33	mg/L	Y	J	J	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.66	—	—	0.067	µg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.65	—	—	0.067	µg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.69	—	—	0.067	µg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.92	—	—	0.067	µg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.95	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.35	0.0533	0.0426	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.973	0.0483	0.137	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.03	0.0616	0.091	—	pCi/L	Y	—	NQ	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.09	0.056	0.0475	—	pCi/L	Y	—	NQ	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.1	0.0786	0.0416	—	pCi/L	Y	—	NQ	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0846	0.0172	0.0453	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0233	0.0101	0.0709	—	pCi/L	Y	U	U	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0223	0.0118	0.0637	—	pCi/L	Y	U	U	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0367	0.0129	0.0345	—	pCi/L	Y	—	U	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0342	0.00961	0.0323	—	pCi/L	Y	—	J	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.66	0.0369	0.0412	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147315	GEL
Spring 3	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.537	0.0357	0.0918	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126326	GEL
Spring 3	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.586	0.0469	0.0485	—	pCi/L	Y	—	NQ	2015-22	CAWR-14-86944	GEL
Spring 3	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.643	0.0424	0.0323	—	pCi/L	Y	—	NQ	12-1575	CAWR-12-23438	GEL
Spring 3	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.553	0.0457	0.0365	—	pCi/L	Y	—	NQ	194647	GU070900G3SW02	GEL
Spring 3	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147293	GEL
Spring 3	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.5	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126352	GEL
Spring 3	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.1	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86971	GEL
Spring 3	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.1	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23466	GEL
Spring 3	—	09/27/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25428	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.71	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.6	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85	—	—	1.45	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL

Table C-1 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	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00532	0.0381	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0045	0.00901	0.0551	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.13	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.98	—	—	1.7	µg/L	Y	J	J	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	33.3	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.2	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	32.8	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	33.9	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.7	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.5	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.4	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.4	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.4	1.52	6.57	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.282	1.42	5.05	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.64	—	—	0.067	mg/L	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.53	—	—	0.067	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.57	—	—	3	µg/L	Y	J	J	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.98	—	—	3	µg/L	Y	J	J	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	—	2	µg/L	Y	J	J	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.56	—	—	2	µg/L	Y	J	J	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.6	—	—	2	µg/L	Y	J	J	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.00644	1.65	7.1	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.64	1.15	5.15	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.362	—	—	0.033	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.829	0.831	2.98	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.576	0.809	2.95	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.51	0.868	2.36	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.19	0.969	2.84	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126327	GEL

Table C-1 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	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.9	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.3	—	—	0.453	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.3	—	—	0.453	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.8	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.7	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.81	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.84	—	—	0.11	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.81	—	—	0.11	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.92	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.76	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.113	—	—	0.067	µg/L	Y	J	J	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-39	CAWR-16-104426	GEL
Spring 3A	—	09/29/2014	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-17	CAWR-14-86945	GEL
Spring 3A	—	09/24/2007	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.035	—	—	0.03	µg/L	Y	J	U	194647	GU070900GA3S02	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.3	µg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.775	—	—	0.165	µg/L	Y	—	J	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.09	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.45	3.16	11.5	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.228	2.69	8.84	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.24	—	—	0.085	mg/L	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.017	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00232	0.00519	0.0402	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00936	0.00811	0.0465	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0301	0.0106	0.0521	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00936	0.0081	0.0538	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.93	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.84	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.92	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.97	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.88	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-50	21.4	79.1	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	37.2	20.3	41	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL

Table C-1 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	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.7	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.8	—	—	0.053	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.166	2.11	8.68	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.17	1.12	3.91	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	217	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	194	—	—	1	uS/cm	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	uS/cm	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	3.63	uS/cm	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	233	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	250	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	222	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	238	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	235	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.281	0.0982	0.397	—	pCi/L	Y	U	U	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0328	0.136	0.476	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.11	—	—	0.133	mg/L	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.04	—	—	0.133	mg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	10	—	—	—	deg C	Y	—	NQ	2018-373	CAWR-18-147409	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147316	GEL
Spring 3A	—	09/27/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	19.1	—	—	—	deg C	N	—	—	27-SEP-94	9409WGGA3S	NA
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	J	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.553	—	—	0.33	mg/L	Y	JQ	J	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-39	CAWR-16-104426	GEL
Spring 3A	—	09/29/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-17	CAWR-14-86945	GEL
Spring 3A	—	09/24/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.885	—	—	0.33	mg/L	Y	J	J	12-1571	CAWR-12-23439	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0237	—	—	0.02	mg/L	Y	JQ	J	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0417	—	—	0.02	mg/L	Y	J	J	2017-142	CAWR-16-126353	GEL

Table C-1 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	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	09/24/2012	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.397	0.72	2.464	—	pCi/L	Y	U	U	2018-475	CAWR-18-147316	ARSL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.591	0.543	1.783	—	pCi/L	Y	U	U	2017-166	CAWR-16-126327	ARSL
Spring 3A	—	12/02/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.827	0.822	2.523	—	pCi/L	Y	U	U	2014-2605	CAWR-13-42151	ARSL
Spring 3A	—	09/24/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	0.7728	0.2898	0.2898	—	pCi/L	Y	—	J	2409	UU070900GA3S01	UMTL
Spring 3A	—	04/30/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.5796	0.2898	0.2898	—	pCi/L	Y	—	U	2336	UU070400GA3S01	UMTL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.24	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.48	—	—	0.067	µg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.38	—	—	0.067	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.4	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.46	—	—	0.067	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.767	0.0424	0.0483	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.8	0.0626	0.261	—	pCi/L	Y	—	J-	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0536	0.0141	0.0514	—	pCi/L	Y	—	J	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0111	0.0157	0.135	—	pCi/L	Y	U	U	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.464	0.0332	0.0467	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147316	GEL
Spring 3A	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.44	0.0467	0.175	—	pCi/L	Y	—	J-	2017-142	CAWR-16-126327	GEL
Spring 3A	—	10/08/2015	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	GEL
Spring 3A	—	09/29/2014	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	GEL
Spring 3A	—	12/02/2013	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	GEL
Spring 3A	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.1	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147294	GEL
Spring 3A	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.4	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126353	GEL
Spring 3A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.8	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104444	GEL
Spring 3A	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.4	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86972	GEL
Spring 3A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.8	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23467	GEL
Spring 3AA	—	10/10/2017	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	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	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	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	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	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	J-	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.4	—	—	1.45	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.8	—	—	0.725	mg/L	Y	H	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.4	—	—	0.725	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.7	—	—	0.73	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00694	0.011	0.0608	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.005	0.00441	0.0408	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00723	0.00723	0.0458	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00000000108	0.00609	0.0294	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00277	0.00235	0.0412	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.03	—	—	2	µg/L	Y	J	J	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.6	—	—	1.7	µg/L	Y	J	J	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.33	—	—	1.7	µg/L	Y	J	J	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.25	—	—	1.7	µg/L	Y	J	J	12-1572	CAWR-12-23468	GEL

Table C-1 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 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	8.67	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	10.9	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.38	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.91	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.72	—	—	1	µg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.9	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.6	—	—	0.05	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.672	1.33	4.72	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.885	1.41	5.52	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.702	1.11	3.81	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.87	1.35	5.54	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.49	0.505	1.58	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.47	—	—	0.067	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.46	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.38	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.067	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.32	—	—	0.066	mg/L	Y	—	J+	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.15	—	—	3	µg/L	Y	J	J	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.51	—	—	3	µg/L	Y	J	J	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.98	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.22	—	—	2	µg/L	Y	J	J	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.44	1.02	5.08	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.38	1.27	5.82	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.07	1.34	3.99	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.59	1.25	3.72	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.66	0.575	1.75	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.228	—	—	0.00334	mg/L	Y	—	NQ	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	R	194647	GU070900GAA301	GEL
Spring 3AA	—	09/18/2006	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	U	172500	GU060900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.37	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.365	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.352	—	—	0.033	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.392	—	—	0.033	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.03	0.854	3	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.668	0.806	2.91	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.41	0.652	2.38	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.345	0.483	1.95	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.457	0.4	2.49	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.47	0.758	2.42	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.67	0.855	2.18	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.123	0.845	2.9	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.82	0.948	2.84	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.26	0.903	2.83	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.3	—	—	0.453	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL

Table C-1 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 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.8	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.6	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.2	—	—	0.453	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.1	—	—	0.45	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.257	—	—	0.11	mg/L	Y	J	J	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.286	—	—	0.11	mg/L	Y	J	J	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	0.289	—	—	0.11	mg/L	Y	J	J	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.281	—	—	0.11	mg/L	Y	J	J	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	0.308	—	—	0.11	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.127	—	—	0.067	µg/L	Y	J	J	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.072	—	—	0.067	µg/L	Y	J	J	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.066	µg/L	Y	U	U	12-16	CAWR-11-28009	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.03	—	—	0.03	µg/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	09/18/2006	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.06	—	—	0.06	µg/L	Y	U	UJ	172500	GU060900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.2	µg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.17	µg/L	Y	—	J	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.21	2.29	8.87	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.87	2.42	8.34	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.499	2.24	7.54	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.75	2.71	9.11	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.58	4.18	10.5	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.432	—	—	0.017	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.442	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.45	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.415	—	—	0.017	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.387	—	—	0.05	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00593	0.0103	0.0513	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0137	0.0155	0.0453	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0023	0.00609	0.0342	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00534	0.043	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00172	0.00299	0.0276	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00296	0.00982	0.0666	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00683	0.00821	0.0523	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0115	0.0069	0.0302	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0113	0.00844	0.0511	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00861	0.00387	0.0326	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.77	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.77	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.92	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.97	—	—	0.05	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.2	16.4	70.9	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.62	34.7	67.7	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.46	15.3	54.4	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL

Table C-1 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 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.34	15.3	60.8	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.3	10.1	12.6	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	37.9	—	—	0.053	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	40.7	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44.6	—	—	0.053	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	43.3	—	—	0.053	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.2	—	—	0.1	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.4	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.9	—	—	0.1	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18	—	—	0.1	mg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.386	0.927	4.23	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.5	0.969	3.27	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.457	1.17	4.14	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.546	1.2	4.72	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.469	0.514	1.6	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	179	—	—	1	uS/cm	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	uS/cm	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	—	—	3.63	uS/cm	Y	H	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	1	uS/cm	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	163	—	—	1	uS/cm	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	149	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	165	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	158	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	166	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	167	—	—	1	µg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.257	0.138	0.448	—	pCi/L	Y	U	U	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0505	0.123	0.465	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.28	0.122	0.478	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0881	0.129	0.461	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0379	0.101	0.369	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.64	—	—	0.133	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.53	—	—	0.133	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.42	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.41	—	—	0.133	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.43	—	—	0.1	mg/L	Y	—	J+	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	10	—	—	—	deg C	Y	—	NQ	2018-373	CAWR-18-147410	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	—	—	3.4	mg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	103	—	—	3.4	mg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	J	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.377	—	—	0.33	mg/L	Y	J	J	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.355	—	—	0.33	mg/L	Y	J	J	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.767	—	—	0.33	mg/L	Y	J	J	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.426	—	—	0.33	mg/L	Y	J	J	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.749	0.764	2.559	—	pCi/L	Y	U	U	2018-475	CAWR-18-147317	ARSL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.635	0.692	2.084	—	pCi/L	Y	U	U	2017-166	CAWR-16-126328	ARSL

Table C-1 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 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0	0.2898	0.2898	—	pCi/L	Y	—	U	2409	UU070900GAA301	UMTL
Spring 3AA	—	09/18/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.1932	0.2898	0.2898	—	pCi/L	Y	—	U	2273	UU060900GAA301	UMTL
Spring 3AA	—	09/26/2005	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	71.9	57.6	191	—	pCi/L	Y	U	U	146887	GU05090GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.27	—	—	0.067	µg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.42	—	—	0.067	µg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.27	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.37	—	—	0.067	µg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.63	—	—	0.067	µg/L	Y	—	J+	12-16	CAWR-11-28009	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.887	0.0448	0.0464	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.14	0.0546	0.149	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.805	0.053	0.083	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.673	0.0585	0.0799	—	pCi/L	Y	—	NQ	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.805	0.0596	0.0513	—	pCi/L	Y	—	NQ	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0947	0.0169	0.0493	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0443	0.0134	0.0771	—	pCi/L	Y	U	U	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0163	0.0141	0.0581	—	pCi/L	Y	U	U	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00562	0.0186	0.058	—	pCi/L	Y	U	U	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.0102	0.0398	—	pCi/L	Y	U	U	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.574	0.0362	0.0448	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147317	GEL
Spring 3AA	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.745	0.044	0.0999	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126328	GEL
Spring 3AA	—	09/29/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.415	0.0379	0.0442	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86946	GEL
Spring 3AA	—	09/24/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.477	0.0479	0.0544	—	pCi/L	Y	—	NQ	12-1572	CAWR-12-23440	GEL
Spring 3AA	—	09/24/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.532	0.0441	0.045	—	pCi/L	Y	—	NQ	194647	GU070900GAA301	GEL
Spring 3AA	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147295	GEL
Spring 3AA	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126354	GEL
Spring 3AA	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.5	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86973	GEL
Spring 3AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	15.1	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23468	GEL
Spring 3AA	—	10/03/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	12-16	CAWR-11-28009	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.5	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	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	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.8	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84	—	—	1.45	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00926	0.00614	0.0325	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.013	0.00557	0.0454	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.63	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.38	—	—	1.7	µg/L	Y	J	J	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.6	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.7	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	40.9	—	—	1	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	44.4	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL

Table C-1 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	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.4	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.097	—	—	0.067	mg/L	Y	JQ	J	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.102	—	—	0.067	mg/L	Y	J	J	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.5	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.6	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23	—	—	0.05	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.24	1.34	5.2	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.697	1.07	4.14	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.12	—	—	0.067	mg/L	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.98	—	—	0.067	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.857	1	4.6	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.409	1.17	4.36	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.392	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.421	—	—	0.033	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.367	0.702	2.74	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.954	0.832	2.91	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.512	0.612	2.16	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	0.898	2.42	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	70.6	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.9	—	—	0.453	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.4	—	—	0.453	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	78.1	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.6	—	—	0.453	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.11	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.28	—	—	0.11	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.4	—	—	0.11	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.65	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.243	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147318	GEL

Table C-1 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	—	10/11/2016	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-49	CAWR-16-104427	GEL
Spring 4	—	09/29/2014	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-17	CAWR-14-86947	GEL
Spring 4	—	03/24/2010	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.2	—	—	0.093	µg/L	Y	U	U	10-2607	CAWR-10-14102	STSL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.3	µg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.165	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.853	2.31	8.66	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0316	1.89	7.05	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	—	—	0.085	mg/L	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.26	—	—	0.017	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00207	0.00746	0.0359	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0023	0.00689	0.0457	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0062	0.00853	0.0465	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00459	0.00795	0.0528	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.62	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.57	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.6	—	—	0.05	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.56	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.68	—	—	0.05	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.8	16.1	59.9	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.94	17.1	36.9	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.5	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.7	—	—	0.053	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52	—	—	0.053	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.674	1.05	3.93	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.63	1.07	3.99	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL

Table C-1 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	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	uS/cm	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	206	—	—	3.63	uS/cm	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	3.63	uS/cm	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	219	—	—	1	uS/cm	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	127	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	138	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	134	—	—	1	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	134	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0462	0.0779	0.32	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.273	0.129	0.409	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.2	—	—	0.133	mg/L	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.1	—	—	0.133	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.1	—	—	—	deg C	Y	—	NQ	2018-376	CAWR-18-147401	CFA
Spring 4	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	10	—	—	—	deg C	Y	—	NQ	2018-373	CAWR-18-147401	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.482	—	—	0.33	mg/L	Y	JQ	J	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.425	—	—	0.33	mg/L	Y	J	J	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0216	—	—	0.02	mg/L	Y	JQ	J	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0386	—	—	0.02	mg/L	Y	J	J	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0196	—	—	0.017	mg/L	Y	J	U	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	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-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0595	—	—	0.017	mg/L	Y	—	U	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.768	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.905	—	—	0.067	µg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.865	—	—	0.067	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.773	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.01	—	—	0.067	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.633	0.0391	0.0492	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.624	0.0544	0.254	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0374	0.0119	0.0524	—	pCi/L	Y	U	U	2018-460	CAWR-18-147318	GEL

Table C-1 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	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0378	0.0162	0.131	—	pCi/L	Y	U	U	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.323	0.0284	0.0476	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147318	GEL
Spring 4	—	10/11/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.354	0.0416	0.17	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126329	GEL
Spring 4	—	10/13/2015	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	GEL
Spring 4	—	09/29/2014	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	GEL
Spring 4	—	09/24/2012	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	GEL
Spring 4	—	10/10/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.66	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147296	GEL
Spring 4	—	10/11/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.75	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126355	GEL
Spring 4	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.65	—	—	1	µg/L	Y	—	NQ	2016-49	CAWR-16-104445	GEL
Spring 4	—	09/29/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.87	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86974	GEL
Spring 4	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.66	—	—	1	µg/L	Y	—	NQ	12-1575	CAWR-12-23469	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	HQ	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.4	—	—	1.45	mg/L	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86	—	—	1.45	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00462	0.00566	0.0405	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0218	0.0068	0.0444	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.86	—	—	2	µg/L	Y	J	J	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.36	—	—	1.7	µg/L	Y	J	J	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.3	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.7	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.9	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.9	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0806	—	—	0.067	mg/L	Y	JQ	J	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0784	—	—	0.067	mg/L	Y	J	J	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.6	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.34	1.17	3.92	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.32	1.41	5.01	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL

Table C-1 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	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.78	—	—	0.067	mg/L	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.79	—	—	0.067	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.78	—	—	3	µg/L	Y	J	J	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.02	—	—	3	µg/L	Y	J	J	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.86	—	—	2	µg/L	Y	J	J	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.71	—	—	2	µg/L	Y	J	J	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.412	1.31	5.47	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.89	1.52	6.86	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.434	—	—	0.033	mg/L	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.392	—	—	0.033	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.00199	0.661	2.95	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0496	0.745	2.88	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.01	0.631	2.09	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.91	0.836	2.58	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	70	—	—	0.453	mg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71	—	—	0.453	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.9	—	—	0.453	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.5	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.9	—	—	0.453	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.46	—	—	0.11	mg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.73	—	—	0.11	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.89	—	—	0.11	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.2	µg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.3	µg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.478	2.65	9.96	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.86	2.66	9.33	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL

Table C-1 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	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.34	—	—	0.085	mg/L	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.18	—	—	0.017	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00882	0.0117	0.0382	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0249	0.0122	0.0495	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0243	0.0115	0.0496	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00249	0.00556	0.0572	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.14	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.26	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.23	—	—	0.05	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.21	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.08	18.9	71.6	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-31.3	18.8	64	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	63	—	—	0.053	mg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.8	—	—	0.053	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.39	1.16	4.95	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.03	1.37	4.89	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	217	—	—	1	uS/cm	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	1	uS/cm	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	—	3.63	uS/cm	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	3.63	uS/cm	Y	H	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	204	—	—	1	uS/cm	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	100	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	94.5	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	97.8	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	105	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.109	0.0867	0.376	—	pCi/L	Y	U	U	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.278	0.142	0.46	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL

Table C-1 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	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.16	—	—	0.133	mg/L	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.06	—	—	0.133	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-426	CAWR-18-147411	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147319	GEL
Spring 4A	—	09/28/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	20.1	—	—	—	deg C	N	—	—	28-SEP-94	9409WGGA4S	NA
Spring 4A	—	04/05/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	20.8	—	—	—	deg C	N	*	—	05-APR-94	9404WGGA4S	NA
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	Q	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.493	—	—	0.33	mg/L	Y	JQ	J	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-39	CAWR-16-104428	GEL
Spring 4A	—	09/30/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-20	CAWR-14-86948	GEL
Spring 4A	—	09/24/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.823	—	—	0.33	mg/L	Y	J	J	12-1570	CAWR-12-23442	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0246	—	—	0.02	mg/L	Y	JQ	J	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0378	—	—	0.02	mg/L	Y	J	J	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	09/24/2012	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.54	0.755	2.512	—	pCi/L	Y	U	U	2018-475	CAWR-18-147319	ARSL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	11.782	1.894	1.569	—	pCi/L	Y	—	NQ	2017-166	CAWR-16-126330	ARSL
Spring 4A	—	12/03/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.095	0.884	2.68	—	pCi/L	Y	U	U	2014-2605	CAWR-13-42152	ARSL
Spring 4A	—	09/24/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.3542	0.2898	0.2898	—	pCi/L	Y	—	U	2409	UU070900GA4S01	UMTL
Spring 4A	—	05/02/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	0.9982	0.2898	0.2898	—	pCi/L	Y	—	J	2337	UU070400GA4S01	UMTL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.11	—	—	0.067	µg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.18	—	—	0.067	µg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.067	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.14	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.2	—	—	0.067	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.08	0.0473	0.0421	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.81	0.0476	0.155	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0467	0.0128	0.0448	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0395	0.014	0.0801	—	pCi/L	Y	U	U	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL
Spring 4A	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.517	0.0334	0.0407	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147319	GEL
Spring 4A	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.405	0.0333	0.104	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126330	GEL
Spring 4A	—	10/08/2015	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	GEL
Spring 4A	—	09/30/2014	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	GEL

Table C-1 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	—	12/03/2013	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	GEL
Spring 4A	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.07	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147297	GEL
Spring 4A	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.5	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126356	GEL
Spring 4A	—	10/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.8	—	—	1	µg/L	Y	—	NQ	2016-39	CAWR-16-104446	GEL
Spring 4A	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.03	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86975	GEL
Spring 4A	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.14	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23470	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.46	—	—	0.01	SU	Y	HQ	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	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	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.8	—	—	1.45	mg/L	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87	—	—	1.45	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00694	0.00612	0.0406	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00247	0.00553	0.0605	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.93	—	—	2	µg/L	Y	J	J	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.13	—	—	1.7	µg/L	Y	J	J	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.2	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.1	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.9	—	—	1	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.7	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.1	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0917	—	—	0.067	mg/L	Y	JQ	J	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0915	—	—	0.067	mg/L	Y	J	J	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.5	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.98	1.57	6.58	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.811	0.975	3.5	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.85	—	—	0.067	mg/L	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.78	—	—	0.067	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.03	—	—	3	µg/L	Y	J	J	2018-459	CAWR-18-147298	GEL

Table C-1 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	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.16	—	—	3	µg/L	Y	J	J	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.12	—	—	2	µg/L	Y	J	J	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.92	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.16	—	—	2	µg/L	Y	J	J	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.464	1.46	5.78	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.298	1.16	4.82	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.436	—	—	0.033	mg/L	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.382	—	—	0.033	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0919	0.701	2.96	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.17	0.855	2.9	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.04	0.623	2.04	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.25	0.756	2.47	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.5	—	—	0.453	mg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.9	—	—	0.453	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.1	—	—	0.453	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.5	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	75.8	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.02	—	—	0.11	mg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.38	—	—	0.11	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.44	—	—	0.11	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.4	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.23	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.2	µg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.3	µg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.97	3.07	11.2	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.969	2.08	7.54	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.42	—	—	0.085	mg/L	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.017	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00473	0.0146	0.041	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00662	0.00583	0.0438	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL

Table C-1 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	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0213	0.0127	0.0531	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00661	0.00661	0.0507	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.03	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.94	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.01	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.9	26.7	62.5	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.3	15.2	62.6	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.1	—	—	0.053	mg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.3	—	—	0.053	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.9	1.77	8.22	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.295	0.806	3.33	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	—	1	uS/cm	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	211	—	—	1	uS/cm	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	3.63	uS/cm	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	3.63	uS/cm	Y	H	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	uS/cm	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	102	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	110	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	99.9	—	—	1	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0942	0.0782	0.342	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0814	0.121	0.485	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.6	—	—	0.133	mg/L	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.38	—	—	0.133	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL

Table C-1 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	—	10/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-426	CAWR-18-147412	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	Q	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0601	—	—	0.033	mg/L	Y	JQ	J	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-48	CAWR-16-104429	GEL
Spring 4AA	—	09/30/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0339	—	—	0.033	mg/L	Y	J	J	2015-20	CAWR-14-86949	GEL
Spring 4AA	—	09/24/2012	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-12-23443	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.434	—	—	0.33	mg/L	Y	JQ	J	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.409	—	—	0.33	mg/L	Y	J	J	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0209	—	—	0.02	mg/L	Y	JQ	J	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0219	—	—	0.02	mg/L	Y	J	J	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0442	—	—	0.017	mg/L	Y	J	U	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0426	—	—	0.017	mg/L	Y	J	U	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	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	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.07	0.766	2.605	—	pCi/L	Y	U	U	2018-475	CAWR-18-147320	ARSL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.446	0.655	2.192	—	pCi/L	Y	U	U	2017-166	CAWR-16-126331	ARSL
Spring 4AA	—	09/24/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	2.1574	0.2898	0.2898	—	pCi/L	Y	—	NQ	2409	UU070900GAA401	UMTL
Spring 4AA	—	05/02/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	2.2218	0.2898	0.2898	—	pCi/L	Y	—	NQ	2337	UU070400GAA401	UMTL
Spring 4AA	—	09/18/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	2.6404	0.2898	0.2898	—	pCi/L	Y	—	NQ	2273	UU060900GAA401	UMTL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.499	—	—	0.067	µg/L	Y	—	NQ	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.565	—	—	0.067	µg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.558	—	—	0.067	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.396	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.683	—	—	0.067	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.468	0.0316	0.043	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.579	0.0353	0.118	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.00906	0.0458	—	pCi/L	Y	U	U	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.00753	0.0611	—	pCi/L	Y	U	U	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.238	0.0226	0.0416	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147320	GEL
Spring 4AA	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	0.026	0.0792	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126331	GEL
Spring 4AA	—	10/13/2015	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	GEL
Spring 4AA	—	09/30/2014	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	GEL
Spring 4AA	—	09/24/2012	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	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.96	—	—	1	µg/L	Y	J	J	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.48	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.69	—	—	1	µg/L	Y	—	NQ	2016-48	CAWR-16-104447	GEL

Table C-1 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	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.7	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.27	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23471	GEL
Spring 4AA	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.59	—	—	3.3	µg/L	Y	J	J	2018-459	CAWR-18-147298	GEL
Spring 4AA	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-140	CAWR-16-126357	GEL
Spring 4AA	—	10/13/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-48	CAWR-16-104447	GEL
Spring 4AA	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-20	CAWR-14-86976	GEL
Spring 4AA	—	09/24/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1571	CAWR-12-23471	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.5	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	1.45	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00375	0.00702	0.0329	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00859	0.00804	0.0525	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.25	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.65	—	—	1.7	µg/L	Y	J	J	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.97	—	—	1.7	µg/L	Y	J	J	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.01	—	—	1.7	µg/L	Y	J	J	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45.7	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	47.6	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	49.5	—	—	1	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	48.8	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51.3	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0853	—	—	0.067	mg/L	Y	JQ	J	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0957	—	—	0.067	mg/L	Y	J	J	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.5	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.1	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.4	—	—	0.05	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	26.7	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.477	1.2	4.74	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.78	1.86	4.27	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.88	—	—	0.067	mg/L	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	9.11	—	—	0.067	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL

Table C-1 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	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.69	1.57	7.53	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.735	1.12	4.18	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00317	—	—	0.00167	mg/L	Y	JQ	J	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2016-65	CAWR-16-104430	GEL
Spring 4B	—	09/30/2014	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-20	CAWR-14-86950	GEL
Spring 4B	—	09/25/2007	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	R	194647	GU070900GB4S01	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.364	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.384	—	—	0.033	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.708	0.763	2.81	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.32	1.02	2.77	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.96	0.89	2.81	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.55	0.882	2.38	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.1	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.4	—	—	0.453	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.5	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89	—	—	0.453	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.95	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.47	—	—	0.11	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.22	—	—	0.11	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.5	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.45	—	—	0.11	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.3	µg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.135	2.99	11	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.15	2.08	7.86	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.72	—	—	0.085	mg/L	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.481	—	—	0.017	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0222	0.0158	0.0428	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00489	0.00772	0.0486	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL

Table C-1 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	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00494	0.0116	0.0555	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00244	0.00546	0.0561	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000294	0.00878	0.0398	—	pCi/L	Y	U	U	2016-65	CAWR-16-104430	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.58	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-49.1	22.9	80.6	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.2	14.9	60.7	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	48.9	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	54.5	—	—	0.053	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.312	1.61	6.27	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0406	0.9	3.72	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	258	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	1	uS/cm	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	—	—	3.63	uS/cm	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	210	—	—	3.63	uS/cm	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	238	—	—	1	uS/cm	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	136	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	156	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	156	—	—	1	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	153	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	163	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.13	0.0877	0.38	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.354	0.154	0.497	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.5	—	—	0.133	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL

Table C-1 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	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-426	CAWR-18-147413	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	3.4	mg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0934	—	—	0.033	mg/L	Y	JQ	J	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2016-65	CAWR-16-104430	GEL
Spring 4B	—	09/30/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.111	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86950	GEL
Spring 4B	—	09/25/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0996	—	—	0.035	mg/L	Y	J	J	12-1571	CAWR-12-23444	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.776	—	—	0.33	mg/L	Y	JQ	J	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.625	—	—	0.33	mg/L	Y	J	J	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0271	—	—	0.02	mg/L	Y	JQ	J	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0255	—	—	0.02	mg/L	Y	J	J	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0442	—	—	0.017	mg/L	Y	J	U	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0477	—	—	0.017	mg/L	Y	J	U	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	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	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.971	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.23	—	—	0.067	µg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.21	—	—	0.067	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.25	—	—	0.067	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.762	0.0411	0.0445	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.918	0.0473	0.14	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0338	0.0113	0.0474	—	pCi/L	Y	U	U	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0208	0.00988	0.0725	—	pCi/L	Y	U	U	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.435	0.0321	0.0431	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147321	GEL
Spring 4B	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.489	0.0348	0.0939	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126332	GEL
Spring 4B	—	10/15/2015	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	GEL
Spring 4B	—	09/30/2014	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	GEL
Spring 4B	—	09/25/2012	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	GEL
Spring 4B	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.98	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147299	GEL
Spring 4B	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.37	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126358	GEL
Spring 4B	—	10/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.26	—	—	1	µg/L	Y	—	NQ	2016-65	CAWR-16-104448	GEL
Spring 4B	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.28	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86977	GEL
Spring 4B	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.6	—	—	1	µg/L	Y	—	NQ	12-1571	CAWR-12-23472	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL

Table C-1 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	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	95.2	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79	—	—	1.45	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00852	0.00852	0.0373	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00951	0.0112	0.0581	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.22	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.08	—	—	1.7	µg/L	Y	J	J	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.7	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.9	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	27	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.9	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.4	—	—	0.05	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.2	1.14	3.8	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.436	1.47	5.21	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.24	—	—	0.067	mg/L	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.21	—	—	0.067	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.35	—	—	3	µg/L	Y	J	J	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.72	—	—	3	µg/L	Y	J	J	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.59	—	—	2	µg/L	Y	J	J	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.31	—	—	2	µg/L	Y	J	J	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.53	—	—	2	µg/L	Y	J	J	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.119	1.25	4.43	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.425	1.03	3.95	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL

Table C-1 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	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.28	0.854	2.83	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.21	0.672	2.76	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.36	0.729	2.06	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.91	0.956	2.85	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.3	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.5	—	—	0.453	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.3	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.1	—	—	0.453	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.59	—	—	0.11	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.55	—	—	0.11	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.73	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.59	—	—	0.11	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.091	—	—	0.067	µg/L	Y	J	J	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-32	CAWR-16-104431	GEL
Spring 5	—	09/30/2014	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-17	CAWR-14-86951	GEL
Spring 5	—	09/25/2007	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.03	—	—	0.03	µg/L	Y	U	UJ	194659	GU070900G5SW01	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.922	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.922	—	—	0.3	µg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.165	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.968	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.978	—	—	0.165	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.205	2.48	8.43	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.036	2.13	8.05	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.9	—	—	0.085	mg/L	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.793	—	—	0.017	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00857	0.0109	0.0371	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0157	0.00925	0.0446	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00214	0.00772	0.0481	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00224	0.00673	0.0515	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.01	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL

Table C-1 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	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-44.5	17.5	56.3	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.2	17.3	76.1	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.3	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64	—	—	0.053	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	0.1	mg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.86	1.24	5.5	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.49	1.32	4.45	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	195	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	1	uS/cm	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	3.63	uS/cm	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	3.63	uS/cm	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	91.3	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.4	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.8	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	88	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0955	0.0994	0.377	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0753	0.108	0.387	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.08	—	—	0.133	mg/L	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.03	—	—	0.133	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-426	CAWR-18-147414	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147322	GEL
Spring 5	—	09/28/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	20	—	—	—	deg C	N	—	—	28-SEP-94	9409WGG5SW	NA
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	—	3.4	mg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	09/25/2012	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	GEL

Table C-1 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	—	10/11/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.344	—	—	0.33	mg/L	Y	JQ	J	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2016-32	CAWR-16-104431	GEL
Spring 5	—	09/30/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.373	—	—	0.33	mg/L	Y	J	J	2015-17	CAWR-14-86951	GEL
Spring 5	—	09/25/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.835	—	—	0.33	mg/L	Y	J	J	12-1574	CAWR-12-23445	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0329	—	—	0.02	mg/L	Y	JQ	J	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0439	—	—	0.02	mg/L	Y	J	J	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	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	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	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-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.059	—	—	0.017	mg/L	Y	—	U	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.619	0.747	2.56	—	pCi/L	Y	U	U	2018-475	CAWR-18-147322	ARSL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.524	0.624	1.865	—	pCi/L	Y	U	U	2017-166	CAWR-16-126333	ARSL
Spring 5	—	12/03/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.178	0.89	2.68	—	pCi/L	Y	U	U	2014-2605	CAWR-13-42153	ARSL
Spring 5	—	09/25/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.1288	0.2898	0.2898	—	pCi/L	Y	—	U	2409	UU070900G5SW01	UMTL
Spring 5	—	05/01/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.1932	0.2898	0.2898	—	pCi/L	Y	—	U	2336	UU070400G5SW01	UMTL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.507	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.618	—	—	0.067	µg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.596	—	—	0.067	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.578	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.601	—	—	0.067	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.39	0.0331	0.0537	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.338	0.0377	0.203	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0188	0.0117	0.0571	—	pCi/L	Y	U	U	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0129	0.0156	0.105	—	pCi/L	Y	U	U	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	0.0234	0.0519	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147322	GEL
Spring 5	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.0296	0.136	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126333	GEL
Spring 5	—	10/07/2015	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	GEL
Spring 5	—	09/30/2014	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	GEL
Spring 5	—	12/03/2013	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	GEL
Spring 5	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.54	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147300	GEL
Spring 5	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.39	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126359	GEL
Spring 5	—	10/07/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.3	—	—	1	µg/L	Y	—	NQ	2016-32	CAWR-16-104449	GEL
Spring 5	—	09/30/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.9	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86978	GEL
Spring 5	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.2	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23473	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	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	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.5	—	—	1.45	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0181	0.0179	0.0353	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0106	0.00664	0.0434	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL

Table C-1 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	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.4	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.1	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.671	1.43	5.21	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.983	1.39	4.78	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.15	—	—	0.067	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.13	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.93	—	—	3	µg/L	Y	J	J	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.9	—	—	3	µg/L	Y	J	J	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.02	—	—	2	µg/L	Y	J	J	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.59	—	—	2	µg/L	Y	J	J	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.8	—	—	2	µg/L	Y	J	J	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.65	1.75	6.13	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.59	1.04	3.33	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.265	—	—	0.033	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.294	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.119	0.716	2.95	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.22	0.712	3	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.35	0.811	2.41	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.19	0.856	2.87	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.4	—	—	0.453	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.2	—	—	0.453	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.4	—	—	0.453	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL

Table C-1 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	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.5	—	—	0.453	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.28	—	—	0.11	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.48	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.067	—	—	0.067	µg/L	Y	J	J	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-20	CAWR-16-104433	GEL
Spring 6	—	10/01/2014	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-22	CAWR-14-86954	GEL
Spring 6	—	09/25/2007	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.03	—	—	0.03	µg/L	Y	U	UJ	194659	GU070900G6SW01	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.899	—	—	0.2	µg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.978	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.165	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.165	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.165	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.678	2.43	8.99	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.76	2.3	8.98	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.306	—	—	0.017	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.311	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0327	0.0139	0.0473	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.04	0.0179	0.053	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.03	0.0157	0.0613	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00266	0.00799	0.0612	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	—	0.05	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.96	—	—	0.05	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32.7	20	67.5	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.8	19.1	64.6	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.3	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.6	—	—	0.1	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL

Table C-1 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	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.873	1.21	5.41	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.503	1.06	4.06	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	uS/cm	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	uS/cm	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	3.63	uS/cm	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	3.63	uS/cm	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	uS/cm	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.9	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	60.8	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.8	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.6	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	60.1	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.12	0.135	0.478	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.247	0.127	0.417	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.55	—	—	0.133	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.5	—	—	0.133	mg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	09/25/2012	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-426	CAWR-18-147417	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	J	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	N	14.3	—	—	3.4	mg/L	Y	U	U	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.173	—	—	0.067	µg/L	Y	J	J	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.235	—	—	0.067	µg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.244	—	—	0.067	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.243	—	—	0.067	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.305	—	—	0.067	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.209	0.0226	0.0475	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.203	0.0223	0.129	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0277	0.0104	0.0506	—	pCi/L	Y	U	U	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0273	0.00946	0.0665	—	pCi/L	Y	U	U	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL

Table C-1 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	—	10/11/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.108	0.0162	0.0459	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147325	GEL
Spring 6	—	10/12/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0972	0.0162	0.0861	—	pCi/L	Y	—	NQ	2017-141	CAWR-16-126336	GEL
Spring 6	—	10/05/2015	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	GEL
Spring 6	—	10/01/2014	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	GEL
Spring 6	—	12/09/2013	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	GEL
Spring 6	—	10/11/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.24	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147303	GEL
Spring 6	—	10/12/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.87	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126362	GEL
Spring 6	—	10/05/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.48	—	—	1	µg/L	Y	—	NQ	2016-20	CAWR-16-104451	GEL
Spring 6	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.49	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86981	GEL
Spring 6	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.17	—	—	1	µg/L	Y	—	NQ	12-1574	CAWR-12-23476	GEL
Spring 6A	—	10/12/2017	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	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	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-14-86982	GEL
Spring 6A	—	09/25/2012	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	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	—	—	0.01	SU	Y	H	J-	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.24	—	—	0.01	SU	Y	H	J-	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.1	—	—	1.45	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	0.725	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.3	—	—	0.725	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.3	—	—	0.73	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.3	—	—	0.73	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00523	0.0324	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00468	0.00916	0.0354	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00251	0.00832	0.0342	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00715	0.0124	0.0511	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0182	0.0165	0.0524	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.81	—	—	2	µg/L	Y	J	J	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.48	—	—	1.7	µg/L	Y	J	J	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.8	—	—	1.5	µg/L	Y	J	J	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	27.9	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.7	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.26	0.829	2.72	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.01	1.51	5.16	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.355	1.59	5.74	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.24	1.59	4.24	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.76	1.1	3.32	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.17	—	—	0.067	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.96	—	—	0.067	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.35	—	—	0.066	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.3	—	—	0.066	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.93	—	—	3	µg/L	Y	J	J	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.51	—	—	2	µg/L	Y	J	J	2015-20	CAWR-14-86982	GEL

Table C-1 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 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.04	—	—	2	µg/L	Y	J	J	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.09	—	—	2.5	µg/L	Y	J	J	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.26	—	—	2.5	µg/L	Y	J	J	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.314	0.807	3.27	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.341	1.29	4.81	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.09	1.65	6.74	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.547	1.26	4.36	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.06	0.942	4.9	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.387	—	—	0.033	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.288	—	—	0.033	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.033	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.602	—	—	0.033	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.57	0.923	2.92	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.74	0.806	2.43	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.177	0.6	2.5	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.24	0.817	1.99	—	pCi/L	Y	—	J	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.62	0.82	2.6	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.39	0.725	2.33	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.91	0.961	2.84	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.87	0.841	2.36	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.26	0.885	2.77	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.1	0.942	2.81	—	pCi/L	Y	—	J	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.1	—	—	0.453	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.2	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.8	—	—	0.453	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.8	—	—	0.35	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.3	—	—	0.35	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.13	—	—	0.11	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.05	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.6	—	—	0.11	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.69	—	—	0.085	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.76	—	—	0.085	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.77	—	—	0.2	µg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.29	—	—	0.1	µg/L	Y	—	U	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.1	µg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.82	2.62	6.65	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.51	2.5	8.49	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.62	2.84	9.76	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.43	12.7	35.7	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.5	9.56	29	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.448	—	—	0.017	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.283	—	—	0.017	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	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	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.359	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.404	—	—	0.05	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00898	0.0167	0.0519	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00799	0.00883	0.0396	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0115	0.00854	0.0435	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.000000000243	0.00288	0.0326	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL

Table C-1 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 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00498	0.0137	0.0239	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.012	0.0104	0.0673	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00266	0.00799	0.0349	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0115	0.0101	0.0516	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00611	0.00456	0.0385	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0224	0.0083	0.0279	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.91	—	—	0.05	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.87	—	—	0.05	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.501	14.8	58.7	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	41	24.5	59.2	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.147	18.3	71.7	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20.3	17.1	59.3	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.5	17.6	34.9	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.9	—	—	0.053	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.1	—	—	0.053	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.3	—	—	0.053	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.109	0.734	3.12	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.383	1.31	4.7	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.344	1.3	5.11	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.93	1.68	4.12	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.38	1.05	4.07	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	3.63	uS/cm	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	uS/cm	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	uS/cm	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	—	—	1	uS/cm	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56.5	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.3	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	63.9	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	68.3	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	70.4	—	—	1	µg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0717	0.0967	0.389	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.322	0.15	0.487	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0544	0.127	0.493	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.136	0.0783	0.352	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.101	0.087	0.302	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.82	—	—	0.133	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.31	—	—	0.133	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.36	—	—	0.133	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.44	—	—	0.1	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.34	—	—	0.1	mg/L	Y	—	J	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147304	GEL

Table C-1 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 6A	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147418	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	81.4	—	—	3.4	mg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	148	—	—	2.4	mg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.376	—	—	0.33	mg/L	Y	J	J	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.449	—	—	0.33	mg/L	Y	J	J	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.83	—	—	0.33	mg/L	Y	J	J	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.341	—	—	0.33	mg/L	Y	J	J	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.478	—	—	0.33	mg/L	Y	J	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0418	—	—	0.02	mg/L	Y	J	J	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0469	—	—	0.017	mg/L	Y	J	U	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.136	—	—	0.017	mg/L	Y	—	U	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.045	—	—	0.015	mg/L	Y	J	U	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.071	—	—	0.015	mg/L	Y	—	U	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.897	0.769	2.512	—	pCi/L	Y	U	U	2018-475	CAWR-18-147326	ARSL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.4508	0.2898	0.2898	—	pCi/L	Y	—	U	2409	UU070900GA6S01	UMTL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	0.5796	0.2898	0.2898	—	pCi/L	Y	—	J	2273	UU060900GA6S01	UMTL
Spring 6A	—	09/27/2005	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	0	68.2	234	—	pCi/L	Y	U	U	146889	GU05090GA6S01	GEL
Spring 6A	—	09/14/2004	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-32.9	49.5	166	—	pCi/L	Y	U	U	121725	GU04090GA6S01	GEL
Spring 6A	—	09/14/2004	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.0966	0.2898	—	0.2898	pCi/L	Y	—	U	1948	UU04090GA6S01	UMTL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.2	—	—	0.067	µg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.146	—	—	0.067	µg/L	Y	J	J	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.714	—	—	0.067	µg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.04	—	—	0.05	µg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.1	—	—	0.05	µg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.256	0.0233	0.0416	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.181	0.0254	0.0734	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.52	0.0407	0.0528	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.794	0.0609	0.0458	—	pCi/L	Y	—	NQ	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.467	0.044	0.0516	—	pCi/L	Y	—	NQ	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0389	0.0109	0.0443	—	pCi/L	Y	U	U	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.018	0.00953	0.0514	—	pCi/L	Y	U	U	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0148	0.0117	0.0383	—	pCi/L	Y	U	U	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0276	0.00919	0.0355	—	pCi/L	Y	U	U	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0367	0.0116	0.0435	—	pCi/L	Y	U	U	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0885	0.0161	0.0402	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147326	GEL
Spring 6A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.108	0.0187	0.0391	—	pCi/L	Y	—	NQ	2015-20	CAWR-14-86955	GEL
Spring 6A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.273	0.0293	0.0359	—	pCi/L	Y	—	NQ	12-1573	CAWR-12-23449	GEL
Spring 6A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.408	0.0372	0.0402	—	pCi/L	Y	—	NQ	194659	GU070900GA6S01	GEL
Spring 6A	—	09/19/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.203	0.0265	0.0549	—	pCi/L	Y	—	NQ	172456	GU060900GA6S01	GEL
Spring 6A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.6	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147304	GEL
Spring 6A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.57	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86982	GEL
Spring 6A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.74	—	—	1	µg/L	Y	—	NQ	12-1573	CAWR-12-23477	GEL
Spring 6A	—	09/28/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10	—	—	1	µg/L	Y	—	NQ	10-4819	CAWR-10-25381	GEL
Spring 6A	—	09/29/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	10-46	CAWR-09-12550	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	0.01	SU	Y	H	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	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	12-1570	CAWR-12-23478	GEL

Table C-1 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 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.29	—	—	0.01	SU	Y	H	J-	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.9	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72	—	—	1.45	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.2	—	—	0.725	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.4	—	—	0.725	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.9	—	—	0.73	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00195	0.00645	0.0341	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0146	0.00808	0.051	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00715	0.00715	0.0453	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00236	0.00528	0.0322	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0131	0.0119	0.0622	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.24	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.26	—	—	1.7	µg/L	Y	J	U	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.88	—	—	1.7	µg/L	Y	J	J	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	35.5	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.4	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.3	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.2	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.4	—	—	1	µg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.74	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.09	—	—	0.05	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.232	1.24	4.7	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.156	1.05	3.89	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.11	1.69	4.65	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.391	1.4	4.91	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.34	1.35	4.9	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.72	—	—	0.067	mg/L	Y	Q	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.81	—	—	0.067	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.76	—	—	0.067	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.067	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.76	—	—	0.066	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.2	1.42	6.2	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.61	0.918	4.26	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.08	1.59	5.41	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.405	1.26	5.12	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.686	1.42	4.93	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00231	—	—	0.00167	mg/L	Y	JQ	J	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.005	—	—	0.00167	mg/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	UJ	194658	GU070900GA8S01	GEL
Spring 8A	—	09/19/2006	WG	UF	INIT	REG	INORGANIC	EPA:335.3	Cyanide (Total)	CN(TOTAL)	N	0.0015	—	—	0.0015	mg/L	Y	U	UJ	172411	GU060900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.304	—	—	0.033	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.297	—	—	0.033	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.734	0.808	2.95	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL

Table C-1 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 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.99	0.989	2.68	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.00749	0.526	2.21	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.52	0.814	2.52	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.218	0.551	2.51	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.42	0.803	2.02	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.28	1.05	2.72	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.5	0.376	1.18	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.44	0.901	2.78	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.18	1.56	3.99	—	pCi/L	Y	—	J	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.6	—	—	0.453	mg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.3	—	—	0.453	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.2	—	—	0.453	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.3	—	—	0.45	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	80.6	—	—	30	µg/L	Y	J	J	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	46.9	—	—	30	µg/L	Y	J	J	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	33.2	—	—	30	µg/L	Y	J	J	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.79	—	—	0.11	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.29	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.14	—	—	0.11	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.82	—	—	0.11	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	9.19	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	16.1	—	—	2	µg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	5.39	—	—	2	µg/L	Y	J	J	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1	—	—	0.3	µg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.17	µg/L	Y	—	J	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.17	2.8	8.76	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.927	2.39	7.87	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.42	3.13	10.9	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.31	2.48	9.41	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.79	10.7	34.3	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0112	0.00745	0.0389	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0183	0.00915	0.0455	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00668	0.00739	0.0331	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00513	0.0292	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.000654	0.00288	0.0351	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00898	0.0084	0.0505	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00723	0.0526	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00223	0.00668	0.0292	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0128	0.00769	0.0347	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00495	0.00622	0.0414	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.49	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.89	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL

Table C-1 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 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.03	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.8	—	—	0.05	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	30.3	21.1	63	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.8	18.7	32.8	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	43.3	19.2	48.8	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.694	15.7	66.9	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.6	24.6	47.8	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.8	—	—	0.053	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	82.9	—	—	0.053	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	85.7	—	—	0.053	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	82.2	—	—	0.053	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.376	1.55	5.95	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.561	1.12	4.41	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.691	1.72	5.16	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.49	1.47	6.1	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.72	1.47	3.51	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122	—	—	1	uS/cm	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	118	—	—	3.63	uS/cm	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	uS/cm	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	115	—	—	1	uS/cm	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	60.3	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.5	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.4	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.8	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.8	—	—	1	µg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.111	0.379	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.319	0.154	0.496	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.191	0.0621	0.223	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.272	0.146	0.476	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0286	0.0552	0.191	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.53	—	—	0.133	mg/L	Y	Q	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.17	—	—	0.133	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.93	—	—	0.133	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.21	—	—	0.133	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.11	—	—	0.1	mg/L	Y	—	J+	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147419	GEL
Spring 8A	—	09/29/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	16.7	—	—	—	deg C	N	*	—	29-SEP-94	WG9409292981	NA
Spring 8A	—	04/05/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	10.8	—	—	—	deg C	N	*	—	05-APR-94	9404WGG8AS	NA
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	91.4	—	—	3.4	mg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	—	3.4	mg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL

Table C-1 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 8A	—	10/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0552	—	—	0.033	mg/L	Y	JQ	J	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.123	—	—	0.033	mg/L	Y	—	NQ	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	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-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.029	—	—	0.029	mg/L	Y	U	UJ	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.11	—	—	0.33	mg/L	Y	Q	NQ	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.657	—	—	0.33	mg/L	Y	J	J	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.526	—	—	0.33	mg/L	Y	J	J	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.27	—	—	0.33	mg/L	Y	—	NQ	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0355	—	—	0.02	mg/L	Y	JQ	J	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0325	—	—	0.02	mg/L	Y	J	J	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	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-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0191	—	—	0.017	mg/L	Y	J	U	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0579	—	—	0.015	mg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.927	0.696	2.256	—	pCi/L	Y	U	U	2018-475	CAWR-18-147327	ARSL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.419	0.596	1.993	—	pCi/L	Y	U	U	2017-166	CAWR-16-126338	ARSL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.0322	0.2898	0.2898	—	pCi/L	Y	—	U	2409	UU070900GA8S01	UMTL
Spring 8A	—	09/19/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.4186	0.2898	0.2898	—	pCi/L	Y	—	U	2273	UU060900GA8S01	UMTL
Spring 8A	—	01/26/2005	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	39.9	57.1	185	—	pCi/L	Y	U	U	129631	GU05010GA8S01	GEL
Spring 8A	—	01/26/2005	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.1288	0.2898	—	0.2898	pCi/L	Y	—	U	2006	UU05010GA8S01	UMTL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.069	—	—	0.067	µg/L	Y	J	J	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.205	—	—	0.067	µg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.154	—	—	0.067	µg/L	Y	J	J	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.132	—	—	0.067	µg/L	Y	J	J	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.201	—	—	0.067	µg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.18	0.0199	0.0433	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.274	0.0286	0.156	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.109	0.0171	0.0597	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0894	0.0176	0.043	—	pCi/L	Y	—	NQ	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.204	0.0235	0.0451	—	pCi/L	Y	—	NQ	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0228	0.00913	0.0461	—	pCi/L	Y	U	U	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0166	0.00877	0.0807	—	pCi/L	Y	U	U	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0147	0.00775	0.0418	—	pCi/L	Y	U	U	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00605	0.0312	—	pCi/L	Y	U	U	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0124	0.00557	0.035	—	pCi/L	Y	U	U	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.115	0.0164	0.0419	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147327	GEL
Spring 8A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.225	0.0249	0.105	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126338	GEL
Spring 8A	—	10/01/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0545	0.0119	0.0318	—	pCi/L	Y	—	NQ	2015-17	CAWR-14-86956	GEL
Spring 8A	—	09/25/2012	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0587	0.0134	0.0293	—	pCi/L	Y	—	NQ	12-1570	CAWR-12-23450	GEL
Spring 8A	—	09/25/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.138	0.0188	0.0395	—	pCi/L	Y	—	NQ	194658	GU070900GA8S01	GEL
Spring 8A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.02	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147305	GEL
Spring 8A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.63	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126364	GEL
Spring 8A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.5	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86983	GEL
Spring 8A	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.68	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23478	GEL
Spring 8A	—	10/13/2011	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.37	—	—	1	µg/L	Y	—	NQ	12-95	CAWR-11-28046	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.48	—	—	0.01	SU	Y	H	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.42	—	—	0.01	SU	Y	H	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.3	—	—	1.45	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL

Table C-1 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	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79	—	—	1.45	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00277	0.00734	0.0486	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00212	0.00766	0.0519	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.6	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.7	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.5	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.3	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	1.19	4.89	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.124	1.08	4.02	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.96	—	—	0.067	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.94	—	—	0.067	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.68	1.44	5.45	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.53	1.25	5.4	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.335	—	—	0.033	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.338	—	—	0.033	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.02	0.395	2.89	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.524	0.799	2.99	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.48	0.891	2.67	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.535	0.876	3	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.3	—	—	0.453	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.4	—	—	0.453	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40.6	—	—	0.453	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL

Table C-1 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	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42.7	—	—	0.453	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.9	—	—	0.453	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.83	—	—	0.11	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.03	—	—	0.11	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.11	—	—	0.11	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.37	—	—	0.11	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.2	µg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.3	µg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.338	2.34	8.75	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.64	1.72	6	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.125	—	—	0.017	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.11	—	—	0.017	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00802	0.00694	0.0347	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0226	0.0109	0.0499	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00401	0.00694	0.045	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00251	0.00972	0.0577	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.55	—	—	0.05	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.38	17.6	75.5	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	44.4	14.2	30.4	—	pCi/L	Y	UI	R	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70	—	—	0.053	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL

Table C-1 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	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0323	1.54	6.03	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.292	0.541	2.72	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	uS/cm	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	uS/cm	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	118	—	—	3.63	uS/cm	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	3.63	uS/cm	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	uS/cm	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.2	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.4	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.5	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	54.1	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.9	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.14	0.0742	0.349	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.405	0.159	0.497	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.133	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.05	—	—	0.133	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-459	CAWR-18-147328	GEL
Spring 9	—	09/29/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	20.1	—	—	—	deg C	N	—	—	29-SEP-94	WG9409293011	NA
Spring 9	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	75.7	—	—	3.4	mg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.503	—	—	0.33	mg/L	Y	J	J	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.447	—	—	0.33	mg/L	Y	J	J	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.106	—	—	0.067	µg/L	Y	J	J	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.167	—	—	0.067	µg/L	Y	J	J	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.203	—	—	0.067	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.259	—	—	0.067	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.229	0.0241	0.0453	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.327	0.033	0.19	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0212	0.0099	0.0482	—	pCi/L	Y	U	U	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00808	0.00989	0.0983	—	pCi/L	Y	U	U	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL

Table C-1 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	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.0193	0.0438	—	pCi/L	Y	—	NQ	2018-459	CAWR-18-147328	GEL
Spring 9	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.157	0.0231	0.127	—	pCi/L	Y	—	NQ	2017-142	CAWR-16-126339	GEL
Spring 9	—	10/06/2015	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	GEL
Spring 9	—	10/01/2014	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	GEL
Spring 9	—	12/16/2013	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	GEL
Spring 9	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.23	—	—	1	µg/L	Y	—	NQ	2018-459	CAWR-18-147306	GEL
Spring 9	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.92	—	—	1	µg/L	Y	—	NQ	2017-142	CAWR-16-126365	GEL
Spring 9	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.87	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104452	GEL
Spring 9	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.29	—	—	1	µg/L	Y	—	NQ	2015-17	CAWR-14-86984	GEL
Spring 9	—	09/25/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.06	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23479	GEL
Spring 9A	—	10/12/2017	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	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.1	—	—	1.45	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59	—	—	1.45	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00416	0.00778	0.0365	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0116	0.0067	0.0473	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.55	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.43	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.72	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	10.3	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	10.1	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.495	1.16	4.12	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.11	1.71	4.71	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.97	—	—	0.067	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.96	—	—	0.067	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.8	1.03	4.48	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.475	1.43	5.74	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.384	—	—	0.033	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL

Table C-1 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	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.361	—	—	0.033	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.411	0.768	2.84	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.789	0.616	2.85	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.638	0.803	2.79	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.0501	0.833	3	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.7	—	—	0.453	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.5	—	—	0.453	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.1	—	—	0.453	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	40	—	—	0.453	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.4	—	—	0.453	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.83	—	—	0.11	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.99	—	—	0.11	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.19	—	—	0.11	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.06	—	—	0.11	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	Y	0.082	—	—	0.067	µg/L	Y	J	J	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.2	—	—	0.067	µg/L	Y	U	U	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.2	µg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.3	µg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.165	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.81	1.74	6.18	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.46	2.55	9.44	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.256	—	—	0.017	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.282	—	—	0.017	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.005	0.00791	0.0433	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0046	0.0647	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00866	0.0562	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0163	0.0086	0.0747	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL

Table C-1 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	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.44	—	—	0.05	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.48	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.38	—	—	0.05	mg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.43	—	—	0.05	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.4	—	—	0.05	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.8	13.9	29.9	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.2	20.2	46.9	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.4	—	—	0.053	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.951	1.24	4.06	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.58	2.21	4.78	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	1	uS/cm	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	uS/cm	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	116	—	—	3.63	uS/cm	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	116	—	—	3.63	uS/cm	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	1	uS/cm	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.4	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.3	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.6	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.9	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.8	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0442	0.0852	0.351	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0716	0.124	0.472	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.07	—	—	0.133	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.02	—	—	0.133	mg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-458	CAWR-18-147421	GEL
Spring 9A	—	09/29/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	19.8	—	—	—	deg C	N	—	—	29-SEP-94	WG9409293021	NA
Spring 9A	—	04/06/1994	WG	UF	INIT	REG	LEGACY	LEGACY	Temperature	TEMP	Y	13.5	—	—	—	deg C	N	*	—	06-APR-94	9404WGGA9S	NA

Table C-1 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	—	10/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	85.7	—	—	3.4	mg/L	Y	—	J	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0473	—	—	0.033	mg/L	Y	J	J	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.165	mg/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.457	—	—	0.33	mg/L	Y	J	J	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.173	0.783	2.648	—	pCi/L	Y	U	U	2018-475	CAWR-18-147329	ARSL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.819	0.589	1.904	—	pCi/L	Y	U	U	2017-166	CAWR-16-126340	ARSL
Spring 9A	—	12/16/2013	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.298	0.62	2.088	—	pCi/L	Y	U	U	2014-2713	CAWR-13-42157	ARSL
Spring 9A	—	09/26/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	-0.4186	0.2898	0.2898	—	pCi/L	Y	—	U	2409	UU070900GA9S01	UMTL
Spring 9A	—	09/20/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	N	0.3864	0.2898	0.2898	—	pCi/L	Y	—	U	2273	UU060900GA9S01	UMTL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.167	—	—	0.067	µg/L	Y	J	J	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.21	—	—	0.067	µg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.255	—	—	0.067	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	09/26/2012	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.274	0.0255	0.0484	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.202	0.0236	0.153	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.017	0.0106	0.0515	—	pCi/L	Y	U	U	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0195	0.00918	0.079	—	pCi/L	Y	U	U	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.135	0.0195	0.0468	—	pCi/L	Y	—	NQ	2018-458	CAWR-18-147329	GEL
Spring 9A	—	10/13/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.139	0.0198	0.102	—	pCi/L	Y	—	NQ	2017-140	CAWR-16-126340	GEL
Spring 9A	—	10/06/2015	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	GEL
Spring 9A	—	10/01/2014	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	GEL
Spring 9A	—	12/16/2013	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	GEL
Spring 9A	—	10/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.63	—	—	1	µg/L	Y	—	NQ	2018-458	CAWR-18-147307	GEL
Spring 9A	—	10/13/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.1	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126366	GEL
Spring 9A	—	10/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.02	—	—	1	µg/L	Y	—	NQ	2016-24	CAWR-16-104453	GEL
Spring 9A	—	10/01/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.88	—	—	1	µg/L	Y	—	NQ	2015-20	CAWR-14-86985	GEL
Spring 9A	—	09/26/2012	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.98	—	—	1	µg/L	Y	—	NQ	12-1572	CAWR-12-23480	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.23	—	—	0.01	SU	Y	H	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.09	—	—	0.01	SU	Y	H	J-	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.94	—	—	0.01	SU	Y	H	J-	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.49	—	—	0.01	SU	Y	H	J-	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.98	—	—	0.01	SU	Y	H	J-	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.2	—	—	1.45	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42	—	—	0.73	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL

Table C-1 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
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.6	—	—	0.73	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	36.3	—	—	0.73	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	43.5	—	—	0.73	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	202	—	—	68	µg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1160	—	—	68	µg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1060	—	—	68	µg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1240	—	—	68	µg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	445	—	—	68	µg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0266	0.0156	0.071	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000766	0.00273	0.0441	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00497	0.00423	0.0353	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00112	0.00814	0.0425	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000304	0.00575	0.0263	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.52	—	—	2	µg/L	Y	J	J	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5.1	—	—	1.5	µg/L	Y	—	U	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.2	—	—	1	µg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	52.5	—	—	1	µg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	53.6	—	—	1	µg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51	—	—	1	µg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.1	—	—	1	µg/L	Y	E	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.03	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.2	—	—	0.03	mg/L	Y	—	J	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.35	1.19	4	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.06	0.752	2.33	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.646	1.53	4.42	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.298	1.12	3.6	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.8	1.18	4.6	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.4	—	—	0.134	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	19	—	—	0.13	mg/L	Y	—	J+	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	18.2	—	—	0.066	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	25.1	—	—	0.13	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.5	—	—	0.066	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.28	2.01	6.17	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.864	0.742	2.33	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.305	1.38	4.52	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.72	1.05	4.15	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0512	1.24	4.65	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0758	—	—	0.033	mg/L	Y	J	J	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.114	—	—	0.033	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	RE	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.17	—	—	0.033	mg/L	N	H	J-	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.092	—	—	0.033	mg/L	Y	J	J	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.121	—	—	0.033	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.769	0.353	1.35	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.73	0.898	2.65	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0822	0.357	1.58	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL

Table C-1 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
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.757	0.572	1.73	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.48	0.4	1.37	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.08	0.633	1.67	—	pCi/L	Y	—	NQ	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	15.4	1.43	1.45	—	pCi/L	Y	—	NQ	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.83	0.807	2.54	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-1.16	0.783	2.9	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.42	0.771	2.2	—	pCi/L	Y	—	J	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.5	—	—	0.453	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.4	—	—	0.35	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.7	—	—	0.35	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47	—	—	0.35	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.6	—	—	0.35	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	104	—	—	30	µg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	541	—	—	30	µg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	525	—	—	30	µg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	589	—	—	25	µg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	187	—	—	25	µg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.25	—	—	0.11	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.06	—	—	0.085	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.41	—	—	0.085	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.07	—	—	0.085	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.93	—	—	0.085	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.386	—	—	0.2	µg/L	Y	J	J	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.344	—	—	0.1	µg/L	Y	J	U	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.433	—	—	0.1	µg/L	Y	J	U	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.32	—	—	0.1	µg/L	Y	J	J	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.34	—	—	0.1	µg/L	Y	J	U	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.15	2.74	10.6	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-12.7	4.58	11.4	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.333	12.8	35.3	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.08	7.96	25.3	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.06	5.89	17.6	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.286	—	—	0.017	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.208	—	—	0.05	mg/L	Y	J	J	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.29	—	—	0.05	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.113	—	—	0.01	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.235	—	—	0.05	mg/L	Y	J	J	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00768	0.0109	0.0498	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00487	0.0103	0.0389	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.002	0.00775	0.028	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00654	0.00489	0.0224	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0211	0.0106	0.029	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0119	0.00939	0.0538	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00243	0.00544	0.046	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.000000000954	0.0049	0.031	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00534	0.0323	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00792	0.0102	0.0193	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.94	—	—	0.05	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.98	—	—	0.05	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.88	—	—	0.05	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL

Table C-1 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
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	70.9	23.3	55.8	—	pCi/L	Y	UI	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.43	14.6	27	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-36.5	16.3	52.3	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.1	18.6	23.8	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23	19	41.9	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	29.3	—	—	0.053	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	36.6	—	—	0.053	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	38.5	—	—	0.053	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	35.6	—	—	0.032	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	32.7	—	—	0.032	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.74	—	—	0.1	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17	—	—	0.045	mg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.045	mg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.09	1.69	6.23	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.06	0.975	2.46	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.51	1.33	3.5	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.96	1.45	3.08	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0652	1.68	3.7	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	151	—	—	1	uS/cm	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	169	—	—	1	uS/cm	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	1	uS/cm	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	161	—	—	1	uS/cm	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	78.5	—	—	1	µg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.9	—	—	1	µg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.6	—	—	1	µg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	88.7	—	—	1	µg/L	Y	—	NQ	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.21	0.137	0.453	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00591	0.115	0.433	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.055	0.0894	0.362	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.361	0.141	0.434	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0696	0.133	0.472	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.16	—	—	0.133	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.01	—	—	0.1	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.25	—	—	0.1	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.57	—	—	0.1	mg/L	Y	—	J-	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.43	—	—	0.1	mg/L	Y	—	J-	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	16	—	—	—	deg C	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	16	—	—	—	deg C	Y	—	NQ	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	—	—	2.4	mg/L	Y	—	NQ	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	132	—	—	2.4	mg/L	Y	—	NQ	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	138	—	—	2.4	mg/L	Y	H	J	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	128	—	—	2.4	mg/L	Y	—	J	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0997	—	—	0.033	mg/L	Y	J	J	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	03/05/2009	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.109	—	—	0.029	mg/L	Y	—	J-	09-1119	CAPA-09-4078	GEL
Starmer Spring	—	12/04/2008	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.029	mg/L	Y	U	U	09-445	CAPA-09-1096	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.19	—	—	0.029	mg/L	Y	—	NQ	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.083	—	—	0.029	mg/L	Y	J	J-	189433	GU070600GSTS01	GEL

Table C-1 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
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.41	—	—	0.33	mg/L	Y	—	NQ	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	03/05/2009	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	4.26	—	—	0.33	mg/L	Y	—	J	09-1119	CAPA-09-4078	GEL
Starmer Spring	—	12/04/2008	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.85	—	—	0.33	mg/L	Y	—	NQ	09-445	CAPA-09-1096	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	6.11	—	—	0.33	mg/L	Y	—	NQ	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.04	—	—	0.33	mg/L	Y	—	NQ	189433	GU070600GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	4.011	1.305	3.705	—	pCi/L	Y	Q	J-	2018-2479	CAPA-18-152853	ARSL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	41.538	1.288	0.2898	—	pCi/L	Y	—	NQ	2407	UU070800GSTS01	UMTL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	40.572	1.288	0.2898	—	pCi/L	Y	—	NQ	2364	UU070600GSTS01	UMTL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	74.382	2.576	0.2898	—	pCi/L	Y	—	NQ	2320	UU070300GSTS01	UMTL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	Generic:LLEE	Tritium	H-3	Y	37.996	1.288	0.2898	—	pCi/L	Y	—	NQ	2293	UU061200GSTS01	UMTL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.112	0.0221	0.122	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0905	0.0236	0.0787	—	pCi/L	Y	—	J	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0316	0.00948	0.0265	—	pCi/L	Y	—	J	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.117	0.0186	0.0553	—	pCi/L	Y	—	J	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0451	0.0168	0.0532	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0371	0.0137	0.0578	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.000146	0.0104	0.0617	—	pCi/L	Y	U	U	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0046	0.00326	0.0355	—	pCi/L	Y	U	U	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00749	0.00662	0.0351	—	pCi/L	Y	U	U	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0031	0.00819	0.0542	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.04	0.0163	0.0746	—	pCi/L	Y	U	U	2018-2462	CAPA-18-152853	GEL
Starmer Spring	—	09/20/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0867	0.021	0.0691	—	pCi/L	Y	—	J	194314	GU070800GSTS01	GEL
Starmer Spring	—	07/10/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0354	0.00915	0.0353	—	pCi/L	Y	—	J	189433	GU070600GSTS01	GEL
Starmer Spring	—	03/21/2007	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0666	0.0132	0.0421	—	pCi/L	Y	—	J	183003	GU070300GSTS01	GEL
Starmer Spring	—	12/06/2006	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0301	0.0119	0.0376	—	pCi/L	Y	U	U	177384	GU061200GSTS01	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.4	—	—	1	µg/L	Y	J	J	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.27	—	—	1	µg/L	Y	J	J	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.54	—	—	1	µg/L	Y	J	J	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.7	—	—	1	µg/L	Y	J	J	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.6	—	—	1	µg/L	Y	J	J	09-445	CAPA-09-1097	GEL
Starmer Spring	—	04/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.83	—	—	3.3	µg/L	Y	J	J	2018-2462	CAPA-18-152852	GEL
Starmer Spring	—	08/10/2010	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4109	CAPA-10-24019	GEL
Starmer Spring	—	09/16/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	09-3268	CAPA-09-12101	GEL
Starmer Spring	—	03/05/2009	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	13.7	—	—	2	µg/L	Y	—	NQ	09-1119	CAPA-09-4077	GEL
Starmer Spring	—	12/04/2008	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	2.4	—	—	2	µg/L	Y	J	J	09-445	CAPA-09-1097	GEL
Upper La Mesita	—	10/04/2017	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	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	132	—	—	1.45	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00802	0.00481	0.0281	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	94.2	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	46.7	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.151	—	—	0.067	mg/L	Y	J	J	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	35.6	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.69	1.49	5.99	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.36	—	—	0.067	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	4.37	1.71	8.21	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	Y	0.35	—	—	0.3	µg/L	Y	J	J	2018-195	CAWR-18-147696	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.203	—	—	0.033	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.13	1.73	2.88	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.46	0.842	2.22	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	94.6	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.41	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	2.97	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147696	GEL

Table C-1 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
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.06	2.25	8.17	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.22	—	—	0.085	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.891	—	—	0.05	µg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00458	0.00793	0.0397	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00915	0.0102	0.0514	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.69	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.9	20.1	75.7	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	26.8	—	—	0.053	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	29.5	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.36	1.37	4.79	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	345	—	—	1	uS/cm	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	715	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.115	0.151	0.522	—	pCi/L	Y	U	U	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15	—	—	0.133	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147696	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.78	—	—	0.33	mg/L	Y	J	J	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.192	—	—	0.02	mg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.212	0.879	2.842	—	pCi/L	Y	U*	U	2018-217	CAWR-18-147344	ARSL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	8.97	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147342	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	5.41	0.172	0.102	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.28	0.0453	0.109	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.7	0.142	0.0989	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147344	GEL
Upper La Mesita	—	10/04/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.27	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147342	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	—	0.01	SU	Y	H	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	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	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	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	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	—	—	1.45	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.4	—	—	1.45	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.7	—	—	1.45	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.3	—	—	0.725	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.6	—	—	0.725	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00391	0.00391	0.0319	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00877	0.00464	0.0292	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0143	0.00789	0.0233	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00299	0.00792	0.0576	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00199	0.00596	0.0368	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0413	—	—	0.017	mg/L	Y	J	J	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0969	—	—	0.017	mg/L	Y	—	U	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0483	—	—	0.017	mg/L	Y	J	U	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0901	—	—	0.017	mg/L	Y	—	U	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0503	—	—	0.017	mg/L	Y	—	U	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.99	—	—	2	µg/L	Y	J	J	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.33	—	—	2	µg/L	Y	J	J	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.97	—	—	1.7	µg/L	Y	J	J	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.54	—	—	1.7	µg/L	Y	J	J	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.16	—	—	1.7	µg/L	Y	J	J	2016-474	CALA-16-106814	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.2	—	—	1	µg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.8	—	—	1	µg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42	—	—	1	µg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42.9	—	—	1	µg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	43.1	—	—	1	µg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19	—	—	15	µg/L	Y	J	J	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.7	—	—	15	µg/L	Y	J	J	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.1	—	—	15	µg/L	Y	J	J	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.1	—	—	15	µg/L	Y	J	J	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.8	—	—	15	µg/L	Y	J	J	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.161	—	—	0.067	mg/L	Y	J	J	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.187	—	—	0.067	mg/L	Y	J	J	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.167	—	—	0.067	mg/L	Y	J	J	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.177	—	—	0.067	mg/L	Y	J	J	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.155	—	—	0.067	mg/L	Y	J	J	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	31	—	—	0.05	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.6	—	—	0.05	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	29.4	—	—	0.05	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	29	—	—	0.05	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.4	—	—	0.05	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.557	1.25	4.63	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.99	0.957	2.43	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.45	1.67	4.96	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.91	1.77	5.41	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.61	1.49	5.37	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.9	—	—	0.067	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.3	—	—	0.335	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.7	—	—	0.134	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.8	—	—	0.134	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.9	—	—	0.134	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.09	1.31	5.64	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.21	0.906	3.36	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.257	1.38	5.16	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.28	1.38	5.84	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.482	1.3	4.79	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.422	—	—	0.033	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.546	—	—	0.033	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.541	—	—	0.033	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.476	—	—	0.033	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.461	—	—	0.033	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.39	0.997	2.97	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.23	0.87	2.94	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.99	1.08	2.87	—	pCi/L	Y	—	NQ	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.34	0.428	1.3	—	pCi/L	Y	—	NQ	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.905	0.447	1.45	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.37	0.413	1.16	—	pCi/L	Y	—	NQ	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.38	1.03	2.84	—	pCi/L	Y	—	NQ	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.4	0.546	1.57	—	pCi/L	Y	—	J	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.14	0.469	1.3	—	pCi/L	Y	—	NQ	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.79	0.74	1.66	—	pCi/L	Y	—	NQ	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	113	—	—	0.453	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	104	—	—	0.453	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	108	—	—	0.453	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	107	—	—	0.453	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	103	—	—	0.453	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.59	—	—	0.11	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.91	—	—	0.11	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.45	—	—	0.11	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.3	—	—	0.11	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.82	—	—	0.11	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.24	—	—	0.2	µg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.31	—	—	0.2	µg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.45	—	—	0.3	µg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.26	—	—	0.165	µg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.34	—	—	0.165	µg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.11	2.7	9.89	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.741	1.62	5.68	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.854	2.73	9.51	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.32	3.04	10.5	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.231	2.73	9.59	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.57	—	—	0.085	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.42	—	—	0.17	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.63	—	—	0.085	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.22	—	—	0.085	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.75	—	—	0.17	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.99	—	—	0.25	µg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.69	—	—	0.25	µg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.42	—	—	0.2	µg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.95	—	—	0.5	µg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.83	—	—	0.5	µg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0375	0.0177	0.126	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00846	0.00518	0.0362	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0268	0.00892	0.0404	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00813	0.00498	0.0275	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00247	0.00499	0.0275	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00624	0.0187	0.135	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00846	0.00669	0.0383	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0201	0.0107	0.0386	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00203	0.00538	0.0345	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0102	0.00932	0.053	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.12	—	—	0.05	mg/L	Y	E	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.24	—	—	0.05	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.39	—	—	0.05	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.17	—	—	0.05	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.48	—	—	0.05	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.98	21	39.8	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.7	21.6	30.9	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.87	14	53.6	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-39.1	16.7	56.4	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.6	16.4	63.1	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42	—	—	0.053	mg/L	Y	N	J-	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42	—	—	0.053	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41.1	—	—	0.053	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	41.3	—	—	0.053	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	42	—	—	0.53	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.1	—	—	0.1	mg/L	Y	N	J-	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0502	1.19	4.65	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.244	0.595	2.47	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.97	1.12	4.76	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.943	1.39	5.1	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0431	1.08	4.25	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	317	—	—	1	uS/cm	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	311	—	—	1	uS/cm	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	298	—	—	1	uS/cm	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	301	—	—	1	uS/cm	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	318	—	—	1	uS/cm	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	145	—	—	1	µg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	135	—	—	1	µg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	151	—	—	1	µg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	136	—	—	1	µg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137	—	—	1	µg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0438	0.101	0.398	—	pCi/L	Y	U	U	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.189	0.117	0.494	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0995	0.114	0.468	—	pCi/L	Y	U	U	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.138	0.479	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0468	0.0967	0.357	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.6	—	—	0.266	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.3	—	—	0.665	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.6	—	—	0.266	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.1	—	—	0.266	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.7	—	—	0.266	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	253	—	—	3.4	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	209	—	—	3.4	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	—	3.4	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.452	—	—	0.33	mg/L	Y	J	J	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.561	—	—	0.33	mg/L	Y	J	J	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	01/12/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.696	—	—	0.33	mg/L	Y	J	J	2017-858	CALA-17-127819	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.539	—	—	0.33	mg/L	Y	J	J	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	12/08/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.569	—	—	0.33	mg/L	Y	J	J	2016-474	CALA-16-106806	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.109	—	—	0.02	mg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.191	—	—	0.02	mg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.112	—	—	0.02	mg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.139	—	—	0.02	mg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.193	—	—	0.017	mg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	59.276	9.041	3.032	—	pCi/L	Y	—	J-	2018-1276	CALA-18-148968	ARSL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	62.922	10.021	8.012	—	pCi/L	Y	—	NQ	2017-1763	CALA-17-139172	ARSL

Table C-1 General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	50.887	7.787	2.547	—	pCi/L	Y	—	J	2016-1473	CALA-16-116845	ARSL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	63.812	9.699	2.399	—	pCi/L	Y	—	NQ	2015-1347	CALA-15-97436	ARSL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	56.855	16.915	1.95	—	pCi/L	Y	—	J-	2014-3585	CALA-14-79460	ARSL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.06	—	—	0.067	µg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.84	—	—	0.067	µg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.43	—	—	0.067	µg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.13	—	—	0.067	µg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.87	—	—	0.067	µg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.37	0.0606	0.136	—	pCi/L	Y	—	NQ	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.06	0.0505	0.0575	—	pCi/L	Y	—	NQ	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.19	0.0539	0.0565	—	pCi/L	Y	—	J	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.21	0.0691	0.0962	—	pCi/L	Y	—	NQ	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.2	0.0556	0.0656	—	pCi/L	Y	—	NQ	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.117	0.0221	0.0636	—	pCi/L	Y	—	NQ	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0323	0.0114	0.056	—	pCi/L	Y	U	U	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0859	0.0167	0.0673	—	pCi/L	Y	—	NQ	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0254	0.0136	0.0614	—	pCi/L	Y	U	U	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.047	0.0129	0.055	—	pCi/L	Y	U	U	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.721	0.0443	0.0672	—	pCi/L	Y	—	NQ	2018-1260	CALA-18-148968	GEL
Vine Tree Spring	—	06/13/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.62	0.0387	0.0594	—	pCi/L	Y	—	NQ	2017-1749	CALA-17-139172	GEL
Vine Tree Spring	—	06/16/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.667	0.0402	0.0584	—	pCi/L	Y	—	NQ	2016-1411	CALA-16-116845	GEL
Vine Tree Spring	—	05/28/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.661	0.0515	0.0686	—	pCi/L	Y	—	NQ	2015-1321	CALA-15-97436	GEL
Vine Tree Spring	—	06/18/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.674	0.0418	0.0368	—	pCi/L	Y	—	NQ	2014-3584	CALA-14-79460	GEL
Vine Tree Spring	—	12/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.87	—	—	1	µg/L	Y	—	NQ	2018-1260	CALA-18-148967	GEL
Vine Tree Spring	—	06/13/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.54	—	—	1	µg/L	Y	—	NQ	2017-1749	CALA-17-139173	GEL
Vine Tree Spring	—	01/12/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.09	—	—	1	µg/L	Y	—	NQ	2017-858	CALA-17-127827	GEL
Vine Tree Spring	—	06/16/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.9	—	—	1	µg/L	Y	—	NQ	2016-1411	CALA-16-116851	GEL
Vine Tree Spring	—	12/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.06	—	—	1	µg/L	Y	—	NQ	2016-474	CALA-16-106814	GEL

Appendix D

Groundwater Results Greater Than Half of Screening Values

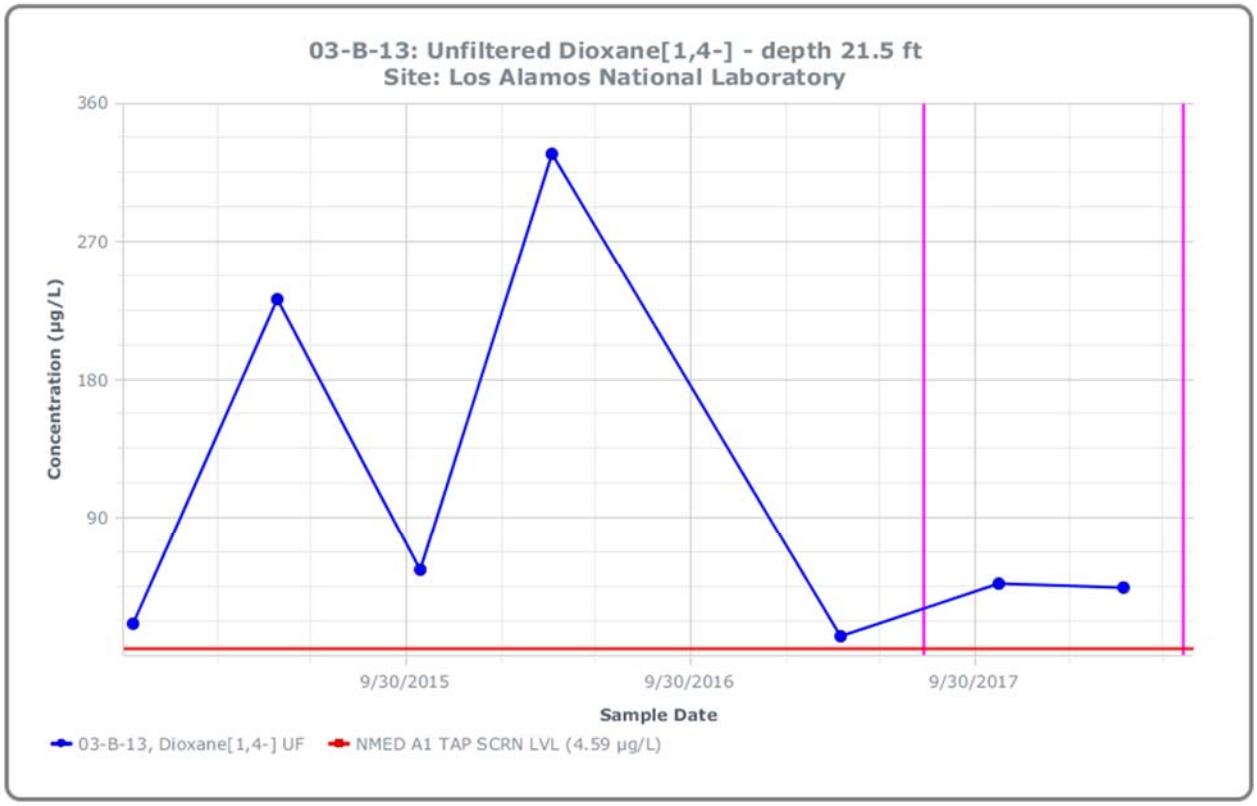
Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Value	Screening-Value Type	Result/Screening Value
Alluvial	18-MW-18	12.5	04/11/18	Inorganic	Barium	Ba	F[a]	INIT[b]	REG[c]	Y[d]	673	1.00	µg/L	1.00	—[e]	NQ[f]	NQ	Y	SW-846:6010C	GEL[g]	1000	NM GW STD[h]	0.67
Alluvial	18-MW-18	12.5	04/11/18	General Chemistry	Chloride	Cl(-1)	F	INIT	REG	Y	399	6.70	mg/L	100	—	NQ	NQ	Y	EPA:300.0	GEL	250	NM GW STD	1.60
Alluvial	18-MW-18	12.5	04/11/18	General Chemistry	Total Dissolved Solids	TDS	F	INIT	REG	Y	1010	3.40	mg/L	1.00	—	NQ	NQ	Y	EPA:160.1	GEL	1000	NM GW STD	1.01
Alluvial	LAO-3a	4.7	06/18/18	General Chemistry	Fluoride	F(-1)	F	INIT	REG	Y	0.862	0.033	mg/L	1.00	—	NQ	NQ	Y	EPA:300.0	GEL	1.6	NM GW STD	0.54
Alluvial	PAO-5n	7.43	06/12/18	Inorganic	Arsenic	As	F	INIT	REG	Y	5.66	2.00	µg/L	1.00	—	NQ	NQ	Y	SW-846:6020	GEL	10	EPA MCL[i]	0.57
Base Flow	Mortandad at Rio Grande	—	10/10/17	Inorganic	Cyanide (Total)	CN(Total)	UF[j]	INIT	REG	Y	0.00361	0.00167	mg/L	1.00	JQ[k]	J	J_LAB[l]	Y	EPA:335.4	GEL	0.0052	NM Wildlife Habitat	0.69
Base Flow	Rio Grande at Otowi Bridge	—	10/04/17	Inorganic	Aluminum	Al	UF	INIT	REG	Y	9660	68.0	µg/L	1.00	—	NQ	NQ	Y	SW-846:6010C	GEL	1370	NM Aquatic Chronic 100 mg/L hardness	7.05
Intermediate	03-B-13	21.5	11/01/17	SVOC	Dioxane[1,4-]	123-91-1	UF	INIT	REG	Y	47	3.16	µg/L	1	—	NQ	NQ	Y	SW-846:8270D	GEL	4.59	NMED A1 TAP SCRN LVL[m]	10.24
Intermediate	03-B-13	21.5	04/10/18	SVOC	Dioxane[1,4-]	123-91-1	UF	INIT	REG	Y	45	3.00	µg/L	1	—	NQ	NQ	Y	SW-846:8270D	GEL	4.59	NMED A1 TAP SCRN LVL	9.80
Intermediate	03-B-13	21.5	11/01/17	Inorganic	Manganese	Mn	F	INIT	REG	Y	132	2.00	µg/L	1.00	—	NQ	NQ	Y	SW-846:6010C	GEL	200	NM GW STD	0.66
Intermediate	03-B-13	21.5	11/01/17	VOC	Trichloroethane[1,1,1-]	71-55-6	UF	INIT	REG	Y	41.4	0.300	µg/L	1	—	NQ	NQ	Y	SW-846:8260B	GEL	60	NM GW STD	0.69
Intermediate	03-B-13	21.5	04/10/18	VOC	Trichloroethane[1,1,1-]	71-55-6	UF	INIT	REG	Y	71	0.300	µg/L	1	—	NQ	NQ	Y	SW-846:8260B	GEL	60	NM GW STD	1.18
Spring	Lower Sandia Spring	—	10/03/17	Inorganic	Manganese	Mn	F	INIT	REG	Y	340	2.00	µg/L	1.00	—	NQ	NQ	Y	SW-846:6010C	GEL	200	NM GW STD	1.70
Spring	Sacred Spring	—	10/03/17	Inorganic	Iron	Fe	F	INIT	REG	Y	946	30.0	µg/L	1.00	—	NQ	NQ	Y	SW-846:6010C	GEL	1000	NM GW STD	0.95
Spring	Sacred Spring	—	10/03/17	Inorganic	Manganese	Mn	F	INIT	REG	Y	302	2.00	µg/L	1.00	—	NQ	NQ	Y	SW-846:6010C	GEL	200	NM GW STD	1.51
Spring	Spring 1	—	10/10/17	Inorganic	Arsenic	As	F	INIT	REG	Y	5.11	2.00	µg/L	1.00	—	NQ	NQ	Y	SW-846:6020	GEL	10	EPA MCL	0.51
Spring	Spring 2	—	10/10/17	Inorganic	Arsenic	As	F	INIT	REG	Y	7.7	2.00	µg/L	1.00	—	NQ	NQ	Y	SW-846:6020	GEL	10	EPA MCL	0.77
Spring	Spring 3AA	—	10/10/17	Inorganic	Cyanide (Total)	CN(Total)	UF	INIT	REG	Y	0.228	0.00334	mg/L	2.00	—	NQ	NQ	Y	EPA:335.4	GEL	0.2	EPA MCL	1.14
Spring	Upper La Mesita Spring	—	10/04/17	VOC	Methylene Chloride	75-09-2	UF	INIT	REG	Y	2.97	1.00	µg/L	1	J	J	J_LAB	Y	SW-846:8260B	GEL	5	EPA MCL	0.59

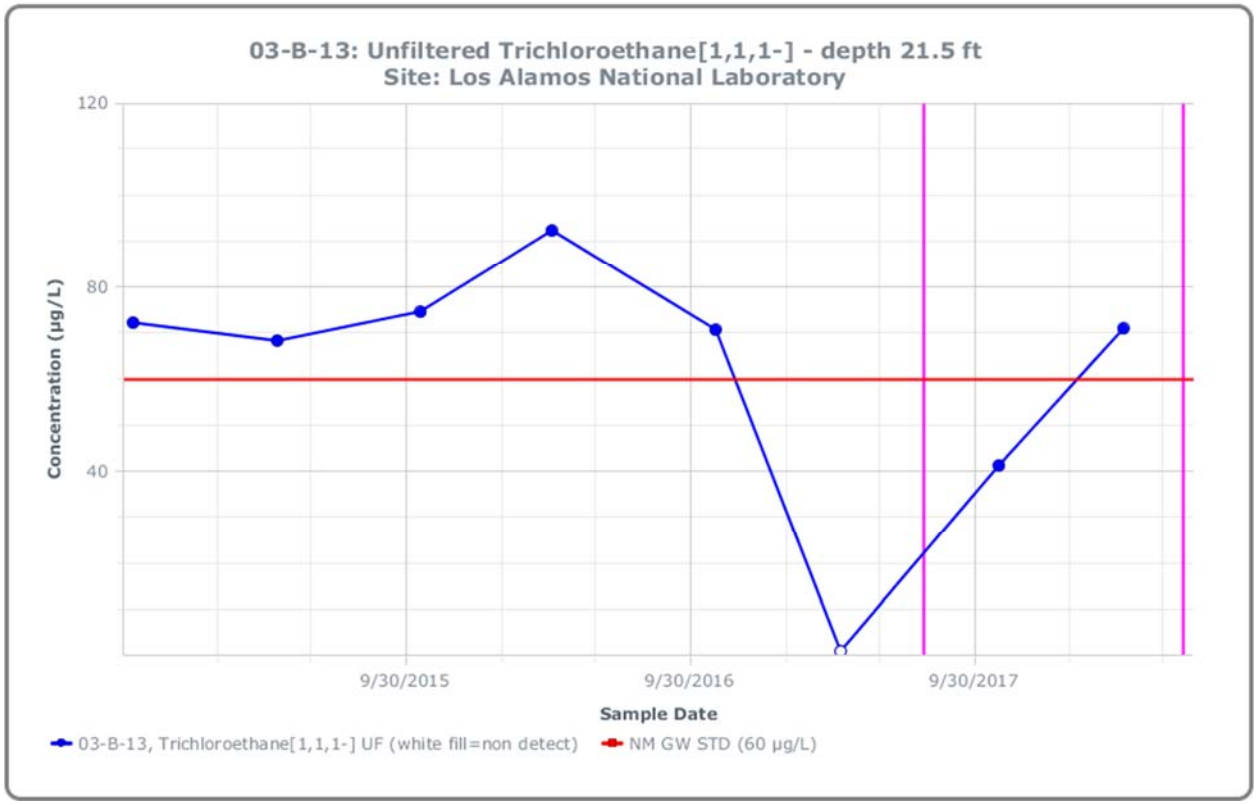
[a] F = Filtered.
[b] INIT = Initial.
[c] REG = Regular.
[d] Y = Yes.
[e] — = None.
[f] NQ = Not qualified.
[g] GEL = GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC.
[h] NM GW STD = New Mexico Water Quality Control Commission groundwater standard.
[i] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.
[j] UF = Unfiltered.
[k] JQ = J, the associated numerical value is an estimated quantity, and Q, one or more quality control criteria have not been met.
[l] J_LAB = The analytical laboratory qualified the detected result as estimated (J) because the result was less than the practical quantitation limit but greater than the method detection limit.
[m] NMED A1 TAP SCRN LVL = New Mexico Environment Department screening level for tap water.

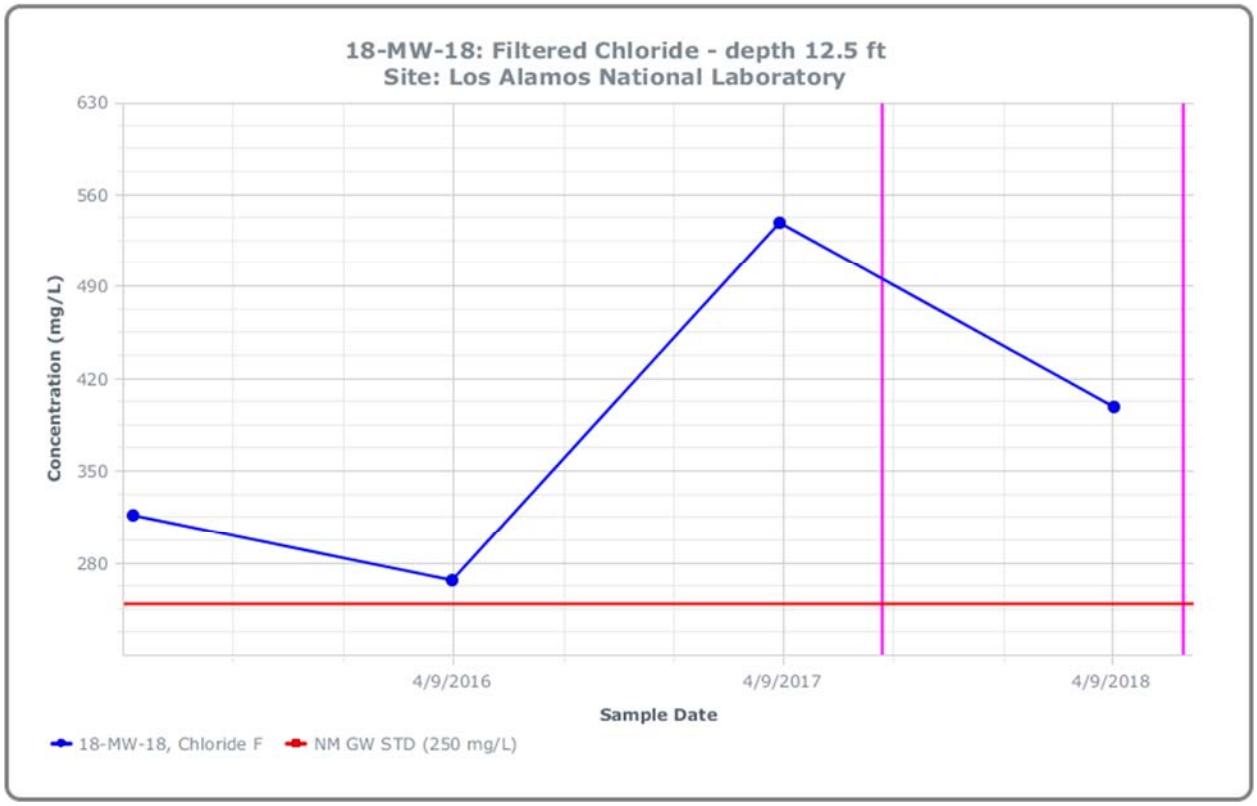
Appendix E

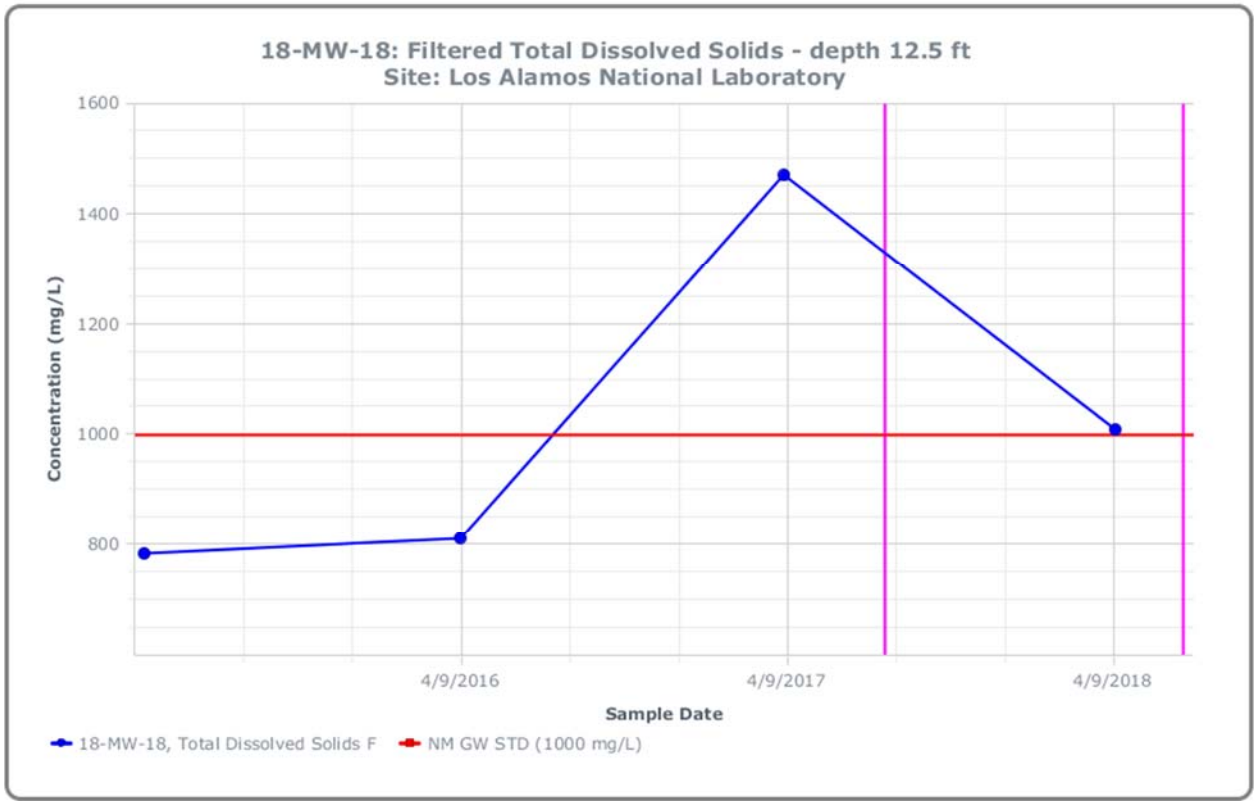
Analytical Chemistry Graphs of Screening-Value Exceedances

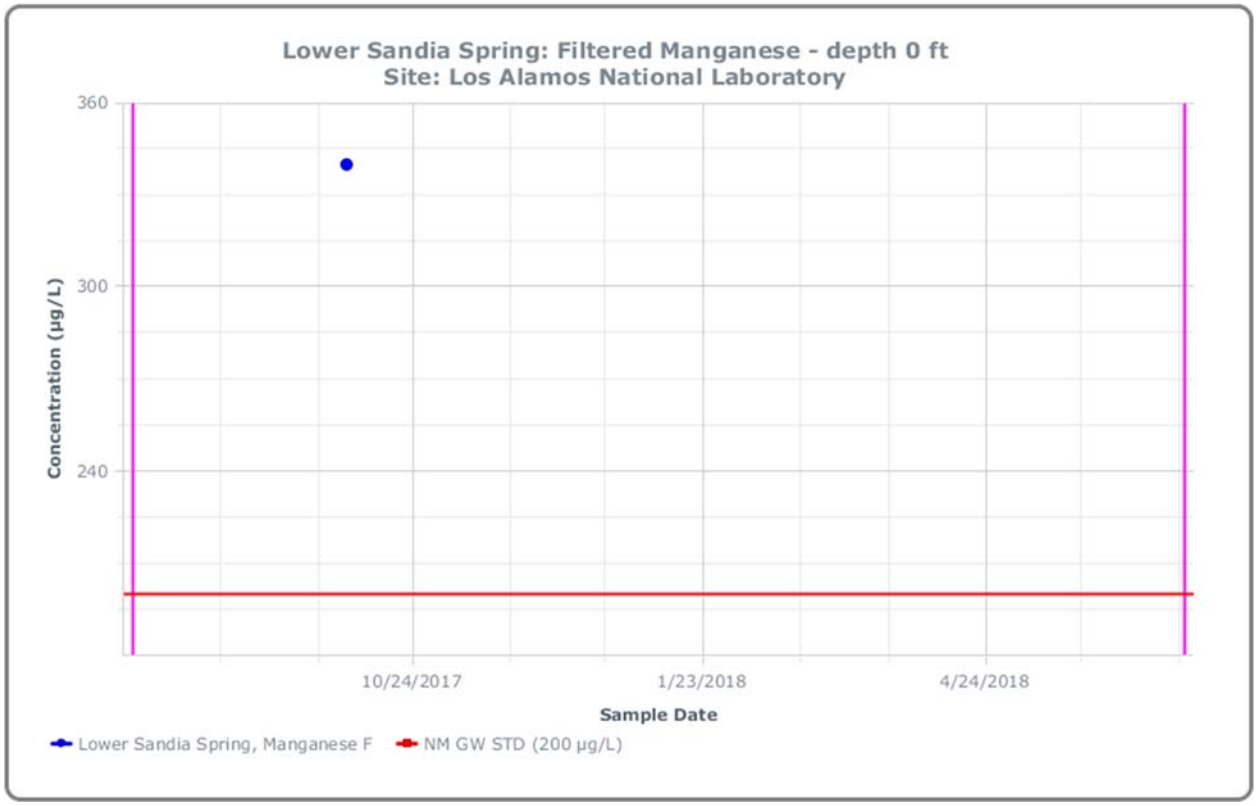
Note: The vertical lines represent the period being reported in this periodic monitoring report.



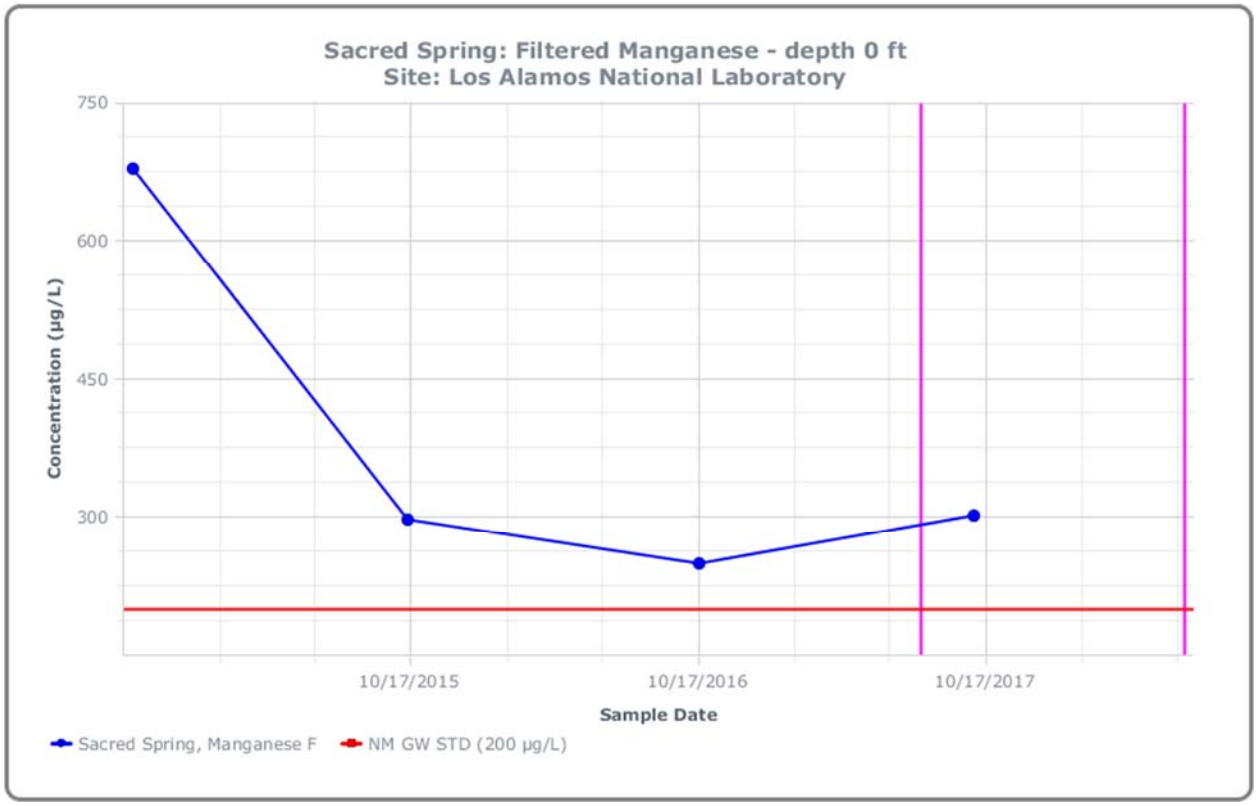


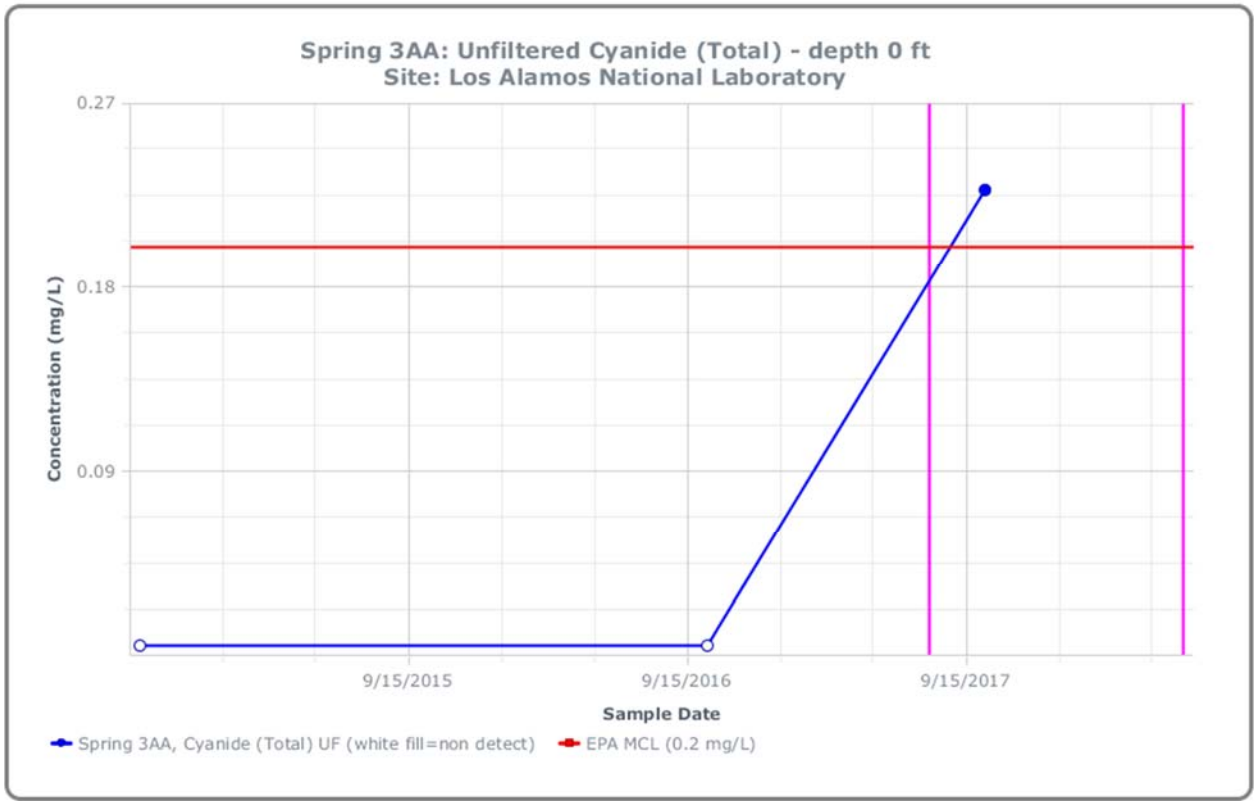

18-MW-18: Filtered Chloride - depth 12.5 ft
Site: Los Alamos National Laboratory
630
560
490
420
350
280
Concentration (mg/L)
4/9/2016
4/9/2017
4/9/2018
Sample Date
18-MW-18, Chloride F
NM GW STD (250 mg/L)


18-MW-18: Filtered Total Dissolved Solids - depth 12.5 ft
Site: Los Alamos National Laboratory
1600
1400
1200
1000
800
Concentration (mg/L)
4/9/2016
4/9/2017
4/9/2018
Sample Date
18-MW-18, Total Dissolved Solids F
NM GW STD (1000 mg/L)


Lower Sandia Spring: Filtered Manganese - depth 0 ft
Site: Los Alamos National Laboratory
360
300
240
Concentration (µg/L)
10/24/2017
1/23/2018
4/24/2018
Sample Date
Lower Sandia Spring, Manganese F
NM GW STD (200 µg/L)

Rio Grande at Otowi Bridge: Unfiltered Aluminum - depth 0 ft
Site: Los Alamos National Laboratory
12000
8000
4000
Concentration (µg/L)
4/13/2017
10/13/2017
4/13/2018
Sample Date
Rio Grande at Otowi Bridge, Aluminum UF
(1370 µg/L)


Sacred Spring: Filtered Manganese - depth 0 ft
Site: Los Alamos National Laboratory
750
600
450
300
Concentration (µg/L)
10/17/2015
10/17/2016
10/17/2017
Sample Date
Sacred Spring, Manganese F
NM GW STD (200 µg/L)


Spring 3AA: Unfiltered Cyanide (Total) - depth 0 ft
Site: Los Alamos National Laboratory
0.27
0.18
0.09
Concentration (mg/L)
9/15/2015
9/15/2016
9/15/2017
Sample Date
Spring 3AA, Cyanide (Total) UF (white fill=non detect)
EPA MCL (0.2 mg/L)

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)
2017-2169	Inorganic	GEL[a]	CASA-17-142030	07/27/17	R-12 S2	504.5	508.0
2017-2169	Inorganic	GEL	CASA-17-142037	07/27/17	R-12 S2	504.5	508.0
2017-2169	Inorganic	GEL	CAMO-17-142054	07/27/17	R-16 S2	863.4	870.9
2017-2169	Inorganic	GEL	CAMO-17-142061	07/27/17	R-16 S2	863.4	870.9
2017-2169	Inorganic	GEL	CAMO-17-142055	07/27/17	R-16 S4	1237.0	1244.6
2017-2169	Inorganic	GEL	CAMO-17-142062	07/27/17	R-16 S4	1237.0	1244.6
2017-2169	Rad[b]	GEL	CASA-17-142037	07/27/17	R-12 S2	504.5	508.0
2017-2169	Rad	GEL	CAMO-17-142061	07/27/17	R-16 S2	863.4	870.9
2017-2169	Rad	GEL	CAMO-17-142062	07/27/17	R-16 S4	1237.0	1244.6
2017-2223	Inorganic	GEL	CAMO-17-142056	07/31/17	R-16r	600.0	617.6
2017-2223	Inorganic	GEL	CAMO-17-142063	07/31/17	R-16r	600.0	617.6
2017-2223	Rad	GEL	CAMO-17-142063	07/31/17	R-16r	600.0	617.6
2017-2314	Rad	ARSL[c]	CASA-17-142036	07/27/17	R-12 S1	459.0	467.5
2017-2314	Rad	ARSL	CASA-17-142037	07/27/17	R-12 S2	504.5	508.0
2017-2314	Rad	ARSL	CAMO-17-142061	07/27/17	R-16 S2	863.4	870.9
2017-2314	Rad	ARSL	CAMO-17-142062	07/27/17	R-16 S4	1237.0	1244.6
2017-2314	Rad	ARSL	CAMO-17-142063	07/31/17	R-16r	600.0	617.6
2017-2378	Inorganic	GEL	CAMO-17-142053	08/07/17	MCO-7	—[d]	—
2017-2378	Inorganic	GEL	CAMO-17-142060	08/07/17	MCO-7	—	—
2017-2378	Organic	GEL	CAMO-17-142060	08/07/17	MCO-7	—	—
2017-2378	Rad	GEL	CAMO-17-142060	08/07/17	MCO-7	—	—
2017-2379	Inorganic	GEL	CAMO-17-142071	08/07/17	MCO-7	—	—
2017-2414	Inorganic	GEL	CAMO-17-142057	08/08/17	R-34	883.7	906.6
2017-2414	Inorganic	GEL	CAMO-17-142064	08/08/17	R-34	883.7	906.6
2017-2414	Organic	GEL	CAMO-17-142064	08/08/17	R-34	883.7	906.6
2017-2414	Rad	GEL	CAMO-17-142064	08/08/17	R-34	883.7	906.6
2017-2415	Inorganic	GEL	CASA-17-142049	08/08/17	Sandia below Wetlands	—	—
2017-2415	Inorganic	GEL	CASA-17-142050	08/08/17	Sandia below Wetlands	—	—
2017-2415	Inorganic	GEL	CASA-17-142031	08/08/17	Sandia right fork at Pwr Plant	—	—
2017-2415	Inorganic	GEL	CASA-17-142038	08/08/17	Sandia right fork at Pwr Plant	—	—
2017-2415	Organic	GEL	CASA-17-142050	08/08/17	Sandia below Wetlands	—	—
2017-2415	Organic	GEL	CASA-17-142038	08/08/17	Sandia right fork at Pwr Plant	—	—
2017-2415	Rad	GEL	CASA-17-142050	08/08/17	Sandia below Wetlands	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2017-2415	Rad	GEL	CASA-17-142038	08/08/17	Sandia right fork at Pwr Plant	—	—
2017-2426	Inorganic	GEL	CASA-17-142035	08/09/17	R-10a	690.0	700.0
2017-2426	Organic	GEL	CASA-17-142035	08/09/17	R-10a	690.0	700.0
2017-2445	Rad	ARSL	CAMO-17-142064	08/08/17	R-34	883.7	906.6
2018-1260	Inorganic	GEL	CALA-18-148967	12/12/17	Vine Tree Spring	—	—
2018-1260	Inorganic	GEL	CALA-18-148968	12/12/17	Vine Tree Spring	—	—
2018-1260	Organic	GEL	CALA-18-148968	12/12/17	Vine Tree Spring	—	—
2018-1260	Rad	GEL	CALA-18-148968	12/12/17	Vine Tree Spring	—	—
2018-127	Inorganic	GEL	CAWR-18-147290	10/03/17	Lower Sandia Spring	0.0	0.0
2018-127	Inorganic	GEL	CAWR-18-147345	10/03/17	Lower Sandia Spring	0.0	0.0
2018-127	Inorganic	GEL	CAWR-18-147402	10/03/17	Lower Sandia Spring	0.0	0.0
2018-127	Organic	GEL	CAWR-18-147402	10/03/17	Lower Sandia Spring	0.0	0.0
2018-127	Rad	GEL	CAWR-18-147345	10/03/17	Lower Sandia Spring	0.0	0.0
2018-1271	Inorganic	GEL	CALA-18-148963	12/13/17	LLAO-4	—	—
2018-1271	Organic	GEL	CALA-18-148963	12/13/17	LLAO-4	—	—
2018-1276	Rad	ARSL	CALA-18-148968	12/12/17	Vine Tree Spring	—	—
2018-129	Inorganic	GEL	CAWR-18-147289	10/03/17	Sacred Spring	—	—
2018-129	Inorganic	GEL	CAWR-18-147311	10/03/17	Sacred Spring	—	—
2018-129	Inorganic	GEL	CAWR-18-147698	10/03/17	Sacred Spring	—	—
2018-129	Organic	GEL	CAWR-18-147698	10/03/17	Sacred Spring	—	—
2018-129	Rad	GEL	CAWR-18-147311	10/03/17	Sacred Spring	—	—
2018-195	Inorganic	GEL	CAWR-18-147287	10/04/17	La Mesita Spring	—	—
2018-195	Inorganic	GEL	CAWR-18-147697	10/04/17	La Mesita Spring	—	—
2018-195	Inorganic	GEL	CAWR-18-147699	10/04/17	La Mesita Spring	—	—
2018-195	Inorganic	GEL	CAWR-18-147339	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-195	Inorganic	GEL	CAWR-18-147340	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-195	Inorganic	GEL	CAWR-18-147406	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-195	Inorganic	GEL	CAWR-18-147342	10/04/17	Upper La Mesita	—	—
2018-195	Inorganic	GEL	CAWR-18-147344	10/04/17	Upper La Mesita	—	—
2018-195	Inorganic	GEL	CAWR-18-147696	10/04/17	Upper La Mesita	—	—
2018-195	Organic	GEL	CAWR-18-147697	10/04/17	La Mesita Spring	—	—
2018-195	Organic	GEL	CAWR-18-147406	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-195	Organic	GEL	CAWR-18-147696	10/04/17	Upper La Mesita	—	—
2018-195	Rad	GEL	CAWR-18-147699	10/04/17	La Mesita Spring	—	—
2018-195	Rad	GEL	CAWR-18-147340	10/04/17	Rio Grande at Otowi Bridge	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2018-195	Rad	GEL	CAWR-18-147344	10/04/17	Upper La Mesita	—	—
2018-205	Inorganic	CFA[e]	CAWR-18-147406	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-205	Organic	CFA	CAWR-18-147406	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-214	Rad	ARSL	CAWR-18-147311	10/03/17	Sacred Spring	—	—
2018-215	Rad	ARSL	CAWR-18-147345	10/03/17	Lower Sandia Spring	0.0	0.0
2018-217	Rad	ARSL	CAWR-18-147699	10/04/17	La Mesita Spring	—	—
2018-217	Rad	ARSL	CAWR-18-147340	10/04/17	Rio Grande at Otowi Bridge	—	—
2018-217	Rad	ARSL	CAWR-18-147344	10/04/17	Upper La Mesita	—	—
2018-2375	Inorganic	GEL	CAPA-18-152858	04/10/18	03-B-13	21.5	31.5
2018-2375	Inorganic	GEL	CAPA-18-152859	04/10/18	03-B-13	21.5	31.5
2018-2375	Organic	GEL	CAPA-18-152859	04/10/18	03-B-13	21.5	31.5
2018-2375	Rad	GEL	CAPA-18-152859	04/10/18	03-B-13	21.5	31.5
2018-2400	Inorganic	GEL	CAPA-18-152854	04/11/18	18-MW-18	12.5	23.0
2018-2400	Inorganic	GEL	CAPA-18-152855	04/11/18	18-MW-18	12.5	23.0
2018-2400	Rad	GEL	CAPA-18-152855	04/11/18	18-MW-18	12.5	23.0
2018-2453	Inorganic	GEL	CAPA-18-152860	04/17/18	PCI-2	512.0	522.0
2018-2453	Inorganic	GEL	CAPA-18-152861	04/17/18	PCI-2	512.0	522.0
2018-2453	Organic	GEL	CAPA-18-152861	04/17/18	PCI-2	512.0	522.0
2018-2453	Rad	GEL	CAPA-18-152861	04/17/18	PCI-2	512.0	522.0
2018-2462	Inorganic	GEL	CAPA-18-152850	04/18/18	Homestead Spring	—	—
2018-2462	Inorganic	GEL	CAPA-18-152851	04/18/18	Homestead Spring	—	—
2018-2462	Inorganic	GEL	CAPA-18-152852	04/18/18	Starmer Spring	—	—
2018-2462	Inorganic	GEL	CAPA-18-152853	04/18/18	Starmer Spring	—	—
2018-2462	Organic	GEL	CAPA-18-152851	04/18/18	Homestead Spring	—	—
2018-2462	Organic	GEL	CAPA-18-152853	04/18/18	Starmer Spring	—	—
2018-2462	Rad	GEL	CAPA-18-152851	04/18/18	Homestead Spring	—	—
2018-2462	Rad	GEL	CAPA-18-152853	04/18/18	Starmer Spring	—	—
2018-2479	Rad	ARSL	CAPA-18-152851	04/18/18	Homestead Spring	—	—
2018-2479	Rad	ARSL	CAPA-18-152861	04/17/18	PCI-2	512.0	522.0
2018-2479	Rad	ARSL	CAPA-18-152853	04/18/18	Starmer Spring	—	—
2018-2485	Inorganic	GEL	CAPA-18-152862	04/19/18	R-17 S1	1057.0	1080.0
2018-2485	Inorganic	GEL	CAPA-18-152863	04/19/18	R-17 S1	1057.0	1080.0
2018-2485	Inorganic	GEL	CAPA-18-152864	04/19/18	R-17 S2	1124.0	1134.0
2018-2485	Inorganic	GEL	CAPA-18-152865	04/19/18	R-17 S2	1124.0	1134.0
2018-2485	Organic	GEL	CAPA-18-152863	04/19/18	R-17 S1	1057.0	1080.0
2018-2485	Organic	GEL	CAPA-18-152865	04/19/18	R-17 S2	1124.0	1134.0
2018-2485	Rad	GEL	CAPA-18-152863	04/19/18	R-17 S1	1057.0	1080.0

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2018-2485	Rad	GEL	CAPA-18-152865	04/19/18	R-17 S2	1124.0	1134.0
2018-2488	Rad	ARSL	CAPA-18-152863	04/19/18	R-17 S1	1057.0	1080.0
2018-2488	Rad	ARSL	CAPA-18-152865	04/19/18	R-17 S2	1124.0	1134.0
2018-2559	Inorganic	GEL	CASA-18-154778	05/15/18	R-10a	690.0	700.0
2018-2559	Inorganic	GEL	CASA-18-154779	05/15/18	R-10a	690.0	700.0
2018-2559	Organic	GEL	CASA-18-154779	05/15/18	R-10a	690.0	700.0
2018-2559	Rad	GEL	CASA-18-154779	05/15/18	R-10a	690.0	700.0
2018-2572	Rad	ARSL	CASA-18-154779	05/15/18	R-10a	690.0	700.0
2018-2715	Inorganic	GEL	CALA-18-68	06/18/18	LAO-3a	4.7	14.7
2018-2715	Inorganic	GEL	CALA-18-69	06/18/18	LAO-3a	4.7	14.7
2018-2715	Organic	GEL	CALA-18-69	06/18/18	LAO-3a	4.7	14.7
2018-2715	Rad	GEL	CALA-18-69	06/18/18	LAO-3a	4.7	14.7
2018-366	Inorganic	GEL	CAWR-18-147291	10/10/17	Spring 1	—	—
2018-366	Inorganic	GEL	CAWR-18-147356	10/10/17	Spring 1	—	—
2018-366	Inorganic	GEL	CAWR-18-147404	10/10/17	Spring 1	—	—
2018-366	Inorganic	GEL	CAWR-18-147405	10/10/17	Spring 2	—	—
2018-366	Inorganic	GEL	CAWR-18-147758	10/10/17	Spring 2	—	—
2018-366	Inorganic	GEL	CAWR-18-147760	10/10/17	Spring 2	—	—
2018-366	Organic	GEL	CAWR-18-147404	10/10/17	Spring 1	—	—
2018-366	Organic	GEL	CAWR-18-147405	10/10/17	Spring 2	—	—
2018-366	Rad	GEL	CAWR-18-147356	10/10/17	Spring 1	—	—
2018-366	Rad	GEL	CAWR-18-147758	10/10/17	Spring 2	—	—
2018-373	Inorganic	GEL	CAWR-18-147400	10/10/17	Mortandad at Rio Grande	—	—
2018-373	Inorganic	GEL	CAWR-18-147408	10/10/17	Spring 3	—	—
2018-373	Inorganic	GEL	CAWR-18-147409	10/10/17	Spring 3A	—	—
2018-373	Inorganic	GEL	CAWR-18-147410	10/10/17	Spring 3AA	—	—
2018-373	Inorganic	GEL	CAWR-18-147401	10/10/17	Spring 4	—	—
2018-373	Organic	GEL	CAWR-18-147400	10/10/17	Mortandad at Rio Grande	—	—
2018-373	Organic	GEL	CAWR-18-147408	10/10/17	Spring 3	—	—
2018-373	Organic	GEL	CAWR-18-147409	10/10/17	Spring 3A	—	—
2018-373	Organic	GEL	CAWR-18-147410	10/10/17	Spring 3AA	—	—
2018-373	Organic	GEL	CAWR-18-147401	10/10/17	Spring 4	—	—
2018-376	Inorganic	CFA	CAWR-18-147400	10/10/17	Mortandad at Rio Grande	—	—
2018-376	Inorganic	CFA	CAWR-18-147401	10/10/17	Spring 4	—	—
2018-376	Organic	CFA	CAWR-18-147400	10/10/17	Mortandad at Rio Grande	—	—
2018-376	Organic	CFA	CAWR-18-147401	10/10/17	Spring 4	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2018-405	Rad	ARSL	CAWR-18-147356	10/10/17	Spring 1	—	—
2018-405	Rad	ARSL	CAWR-18-147758	10/10/17	Spring 2	—	—
2018-426	Inorganic	GEL	CAWR-18-147407	10/11/17	Ancho Spring	—	—
2018-426	Inorganic	GEL	CAWR-18-147411	10/11/17	Spring 4A	—	—
2018-426	Inorganic	GEL	CAWR-18-147412	10/11/17	Spring 4AA	—	—
2018-426	Inorganic	GEL	CAWR-18-147413	10/11/17	Spring 4B	—	—
2018-426	Inorganic	GEL	CAWR-18-147414	10/11/17	Spring 5	—	—
2018-426	Inorganic	GEL	CAWR-18-147417	10/11/17	Spring 6	—	—
2018-426	Organic	GEL	CAWR-18-147407	10/11/17	Ancho Spring	—	—
2018-426	Organic	GEL	CAWR-18-147411	10/11/17	Spring 4A	—	—
2018-426	Organic	GEL	CAWR-18-147412	10/11/17	Spring 4AA	—	—
2018-426	Organic	GEL	CAWR-18-147413	10/11/17	Spring 4B	—	—
2018-426	Organic	GEL	CAWR-18-147414	10/11/17	Spring 5	—	—
2018-426	Organic	GEL	CAWR-18-147417	10/11/17	Spring 6	—	—
2018-458	Inorganic	GEL	CAWR-18-147286	10/11/17	Ancho Spring	—	—
2018-458	Inorganic	GEL	CAWR-18-147308	10/11/17	Ancho Spring	—	—
2018-458	Inorganic	GEL	CAWR-18-147293	10/10/17	Spring 3	—	—
2018-458	Inorganic	GEL	CAWR-18-147315	10/10/17	Spring 3	—	—
2018-458	Inorganic	GEL	CAWR-18-147295	10/10/17	Spring 3AA	—	—
2018-458	Inorganic	GEL	CAWR-18-147317	10/10/17	Spring 3AA	—	—
2018-458	Inorganic	GEL	CAWR-18-147303	10/11/17	Spring 6	—	—
2018-458	Inorganic	GEL	CAWR-18-147325	10/11/17	Spring 6	—	—
2018-458	Inorganic	GEL	CAWR-18-147307	10/12/17	Spring 9A	—	—
2018-458	Inorganic	GEL	CAWR-18-147329	10/12/17	Spring 9A	—	—
2018-458	Inorganic	GEL	CAWR-18-147421	10/12/17	Spring 9A	—	—
2018-458	Organic	GEL	CAWR-18-147421	10/12/17	Spring 9A	—	—
2018-458	Rad	GEL	CAWR-18-147308	10/11/17	Ancho Spring	—	—
2018-458	Rad	GEL	CAWR-18-147315	10/10/17	Spring 3	—	—
2018-458	Rad	GEL	CAWR-18-147317	10/10/17	Spring 3AA	—	—
2018-458	Rad	GEL	CAWR-18-147325	10/11/17	Spring 6	—	—
2018-458	Rad	GEL	CAWR-18-147329	10/12/17	Spring 9A	—	—
2018-459	Inorganic	GEL	CAWR-18-147297	10/11/17	Spring 4A	—	—
2018-459	Inorganic	GEL	CAWR-18-147319	10/11/17	Spring 4A	—	—
2018-459	Inorganic	GEL	CAWR-18-147298	10/11/17	Spring 4AA	—	—
2018-459	Inorganic	GEL	CAWR-18-147320	10/11/17	Spring 4AA	—	—
2018-459	Inorganic	GEL	CAWR-18-147321	10/11/17	Spring 4B	—	—
2018-459	Inorganic	GEL	CAWR-18-147304	10/12/17	Spring 6A	—	—
2018-459	Inorganic	GEL	CAWR-18-147326	10/12/17	Spring 6A	—	—
2018-459	Inorganic	GEL	CAWR-18-147418	10/12/17	Spring 6A	—	—

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2018-459	Inorganic	GEL	CAWR-18-147306	10/12/17	Spring 9	—	—
2018-459	Inorganic	GEL	CAWR-18-147328	10/12/17	Spring 9	—	—
2018-459	Organic	GEL	CAWR-18-147418	10/12/17	Spring 6A	—	—
2018-459	Organic	GEL	CAWR-18-147420	10/12/17	Spring 9	—	—
2018-459	Rad	GEL	CAWR-18-147319	10/11/17	Spring 4A	—	—
2018-459	Rad	GEL	CAWR-18-147320	10/11/17	Spring 4AA	—	—
2018-459	Rad	GEL	CAWR-18-147321	10/11/17	Spring 4B	—	—
2018-459	Rad	GEL	CAWR-18-147326	10/12/17	Spring 6A	—	—
2018-459	Rad	GEL	CAWR-18-147328	10/12/17	Spring 9	—	—
2018-460	Inorganic	GEL	CAWR-18-147288	10/10/17	Mortandad at Rio Grande	—	—
2018-460	Inorganic	GEL	CAWR-18-147310	10/10/17	Mortandad at Rio Grande	—	—
2018-460	Inorganic	GEL	CAWR-18-147294	10/10/17	Spring 3A	—	—
2018-460	Inorganic	GEL	CAWR-18-147316	10/10/17	Spring 3A	—	—
2018-460	Inorganic	GEL	CAWR-18-147296	10/10/17	Spring 4	—	—
2018-460	Inorganic	GEL	CAWR-18-147318	10/10/17	Spring 4	—	—
2018-460	Inorganic	GEL	CAWR-18-147299	10/11/17	Spring 4B	—	—
2018-460	Inorganic	GEL	CAWR-18-147300	10/11/17	Spring 5	—	—
2018-460	Inorganic	GEL	CAWR-18-147322	10/11/17	Spring 5	—	—
2018-460	Inorganic	GEL	CAWR-18-147305	10/12/17	Spring 8A	—	—
2018-460	Inorganic	GEL	CAWR-18-147327	10/12/17	Spring 8A	—	—
2018-460	Inorganic	GEL	CAWR-18-147419	10/12/17	Spring 8A	—	—
2018-460	Organic	GEL	CAWR-18-147419	10/12/17	Spring 8A	—	—
2018-460	Rad	GEL	CAWR-18-147310	10/10/17	Mortandad at Rio Grande	—	—
2018-460	Rad	GEL	CAWR-18-147316	10/10/17	Spring 3A	—	—
2018-460	Rad	GEL	CAWR-18-147318	10/10/17	Spring 4	—	—
2018-460	Rad	GEL	CAWR-18-147322	10/11/17	Spring 5	—	—
2018-460	Rad	GEL	CAWR-18-147327	10/12/17	Spring 8A	—	—
2018-475	Rad	ARSL	CAWR-18-147308	10/11/17	Ancho Spring	—	—
2018-475	Rad	ARSL	CAWR-18-147316	10/10/17	Spring 3A	—	—
2018-475	Rad	ARSL	CAWR-18-147317	10/10/17	Spring 3AA	—	—
2018-475	Rad	ARSL	CAWR-18-147319	10/11/17	Spring 4A	—	—
2018-475	Rad	ARSL	CAWR-18-147320	10/11/17	Spring 4AA	—	—
2018-475	Rad	ARSL	CAWR-18-147322	10/11/17	Spring 5	—	—
2018-475	Rad	ARSL	CAWR-18-147326	10/12/17	Spring 6A	—	—
2018-475	Rad	ARSL	CAWR-18-147327	10/12/17	Spring 8A	—	—
2018-475	Rad	ARSL	CAWR-18-147329	10/12/17	Spring 9A	—	—
2018-677	Inorganic	GEL	CAPA-18-147687	11/01/17	03-B-13	21.5	31.5

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2018-677	Inorganic	GEL	CAPA-18-147689	11/01/17	03-B-13	21.5	31.5
2018-677	Inorganic	GEL	CAPA-18-147688	11/01/17	PCI-2	512.0	522.0
2018-677	Inorganic	GEL	CAPA-18-147690	11/01/17	PCI-2	512.0	522.0
2018-677	Organic	GEL	CAPA-18-147689	11/01/17	03-B-13	21.5	31.5
2018-677	Organic	GEL	CAPA-18-147690	11/01/17	PCI-2	512.0	522.0
2018-923	Inorganic	GEL	CAMO-18-147982	11/15/17	R-34	883.7	906.6
2018-923	Inorganic	GEL	CAMO-18-147983	11/15/17	R-34	883.7	906.6
2018-923	Organic	GEL	CAMO-18-147983	11/15/17	R-34	883.7	906.6
2018-923	Rad	GEL	CAMO-18-147983	11/15/17	R-34	883.7	906.6
2018-930	Rad	ARSL	CAMO-18-147983	11/15/17	R-34	883.7	906.6
2018-940	Rad	ARSL	CASA-18-147963	11/16/17	R-10a	690.0	700.0
2018-949	Inorganic	GEL	CASA-18-147960	11/16/17	R-10a	690.0	700.0
2018-949	Inorganic	GEL	CASA-18-147963	11/16/17	R-10a	690.0	700.0
2018-949	Organic	GEL	CASA-18-147963	11/16/17	R-10a	690.0	700.0
2018-949	Rad	GEL	CASA-18-147963	11/16/17	R-10a	690.0	700.0
N3B-2018-2780	Inorganic	GEL	CAPU-18-97	06/21/18	R-3	974.5	995.0
N3B-2018-2780	Inorganic	GEL	CAPU-18-98	06/21/18	R-3	974.5	995.0
N3B-2018-2780	Inorganic	GEL	CAPU-18-83	06/21/18	R-3i	215.2	220.0
N3B-2018-2780	Inorganic	GEL	CAPU-18-84	06/21/18	R-3i	215.2	220.0
N3B-2018-2780	Organic	GEL	CAPU-18-98	06/21/18	R-3	974.5	995.0
N3B-2018-2780	Organic	GEL	CAPU-18-84	06/21/18	R-3i	215.2	220.0
N3B-2018-2780	Rad	GEL	CAPU-18-98	06/21/18	R-3	974.5	995.0
N3B-2018-2780	Rad	GEL	CAPU-18-84	06/21/18	R-3i	215.2	220.0
N3B-2018-2803	Inorganic	GEL	CAPU-18-94	06/25/18	R-24	825.0	848.0
N3B-2018-2803	Inorganic	GEL	CAPU-18-95	06/25/18	R-24	825.0	848.0
N3B-2018-2803	Organic	GEL	CAPU-18-95	06/25/18	R-24	825.0	848.0
N3B-2018-2803	Rad	GEL	CAPU-18-95	06/25/18	R-24	825.0	848.0
N3B-2018-2809	Inorganic	GEL	CAPU-18-102	06/26/18	R-4	792.9	816.0
N3B-2018-2809	Inorganic	GEL	CAPU-18-103	06/26/18	R-4	792.9	816.0
N3B-2018-2809	Organic	GEL	CAPU-18-103	06/26/18	R-4	792.9	816.0
N3B-2018-2809	Rad	GEL	CAPU-18-103	06/26/18	R-4	792.9	816.0
N3B-2018-2820	Rad	ARSL	CAPU-18-95	06/25/18	R-24	825.0	848.0
N3B-2018-2820	Rad	ARSL	CAPU-18-98	06/21/18	R-3	974.5	995.0
N3B-2018-2820	Rad	ARSL	CAPU-18-84	06/21/18	R-3i	215.2	220.0
N3B-2018-2820	Rad	ARSL	CAPU-18-103	06/26/18	R-4	792.9	816.0
N3B-2018-30	Inorganic	GEL	CAPU-18-76	06/12/18	PAO-5n	7.43	12.43
N3B-2018-30	Organic	GEL	CAPU-18-77	06/12/18	PAO-5n	7.43	12.43

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
N3B-2018-30	Rad	GEL	CAPU-18-77	06/12/18	PAO-5n	7.43	12.43
N3B-2018-52	Inorganic	GEL	CAPU-18-77	06/12/18	PAO-5n	7.43	12.43
N3B-2018-52	Organic	GEL	CAPU-18-77	06/12/18	PAO-5n	7.43	12.43

[a] GEL = GEL Laboratories, LLC, Division of the GEL Group, Charleston, SC.

[b] Rad = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.

[d] — = Not applicable.

[e] CFA = Cape Fear Analytical, LLC, Wilmington, NC, Division of the GEL Group, Inc., Charleston SC.