ESHID-602169

Los Alamos
NATIONAL LABORATORY
EST.1943

Associate Directorate for Environmental Management
P.O. Box 1663, MS M992
Los Alamos, New Mexico 87545
(505) 606-2337

Environmental Management
1900 Diamond Drive, MS M984
Los Alamos, New Mexico 87544
(505) 665-5658/FAX (505) 606-2132

Date: FEB 16 2017
Refer To: ADEM-17-0029
LAUR: LA-UR-17-21035
Locates Action No.: n/a

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

Subject: Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group for sampling campaigns performed in the Los Alamos watershed during the second and fourth quarters of monitoring year 2016.

This report is submitted in accordance with Appendix E, Section IV, of the June 2016 Compliance Order on Consent (Consent Order). Los Alamos National Laboratory is working towards updating its data screening procedures to incorporate the screening requirements in Section IX of the 2016 Consent Order. Therefore, the screening levels used in this report are those specified in Sections VIII.A and VIII.C of the March 2005 Consent Order.

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

Sincerely,

Bruce Robinson, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

Sincerely,

David S. Rhodes, Director
Office of Quality and Regulatory Compliance
Environmental Management
Los Alamos Field Office

BR/DR/SP:sm

Enclosures: Two hard copies with electronic files – Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group (EP2017-0019)

Cy: (w/electronic enc.)
Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo
Dino Chavarria, Santa Clara Pueblo
Steve Yanicak, NMED-DOE-OB, MS M894
emla.docs@em.doe.gov
Cheryl Rodriguez, DOE-EM-LA
Robert Cygnarowicz, ADEM ER Program
Steve Paris, ADEM ER Program
Public Reading Room (EPRR)
PRS Database
ADESH Records

Cy: (w/o enc./date-stamped letter emailed)
lasomailbox@nnsa.doe.gov
Karen Armijo, DOE-NA-LA
Peter Maggiore, DOE-NA-LA
Kimberly Davis Lebak, DOE-NA-LA
Hai Shen, DOE-EM-LA
David Rhodes, DOE-EM-LA
Randy Erickson, ADEM
Jocelyn Buckley, ADESH-EPC-CP
Mike Saladen, ADESH-EPC-CP
John Bretzke, ADESH-EPC-DO
Michael Brandt, ADESH
William Mairson, PADOPS
Craig Leasure, PADOPS

LA-UR-17-21035
February 2017
EP2017-0019

Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group

Los Alamos
NATIONAL LABORATORY
EST. 1943

Prepared by the Associate Directorate for Environmental Management

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC52-06NA253 and under DOE Office of Environmental Management Contract No. DE-EM0003528, has prepared this document pursuant to the Compliance Order on Consent, signed 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.

EP2017-0019

Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group

February 2017

Responsible project manager:

Printed Name	Signature	Title	Organization	Date
Steve Paris		Project Manager	Environmental Remediation Program	Feb 13, 2017

Responsible LANS representative:

Printed Name	Signature	Title	Organization	Date
for Randall Erickson		Associate Director	Associate Directorate for Environmental Management	2/14/17

Responsible DOE-EM-LA representative:

Printed Name	Signature	Title	Organization	Date
David S. Rhodes	for	Office Director	Quality and Regulatory Compliance	2/15/17

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents results for the Technical Area 21 (TA-21) monitoring group of the Los Alamos National Laboratory 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 2016 Monitoring Year, October 2015–September 2016, prepared in accordance with the Compliance Order on Consent.

This PMR presents monitoring results for two periodic monitoring events (PMEs) conducted during the second and fourth quarters of Monitoring Year 2016 and includes the monitoring of groundwater well or well screen locations. This PMR also includes any results from earlier TA-21 monitoring group PMEs that have not yet been reported because validated laboratory data were not available (in some cases because of data release agreements).

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

There are no surface-water monitoring locations in the TA-21 monitoring group. Three groundwater analytical results reported in this PMR were above applicable screening levels.

CONTENTS

Figures

Tables

Appendixes

Plate

Acronyms and Abbreviations

amsl	above mean sea level
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CFR	Code of Federal Regulations (U.S.)
Consent Order	Compliance Order on Consent
DCS	Derived Concentration Technical Standard (DOE)
DOE	Department of Energy (U.S.)
EIM	Environmental Information Management System (database)
EPA	Environmental Protection Agency (U.S.)
ESH	Environment, Safety, and Health (associate directorate)
F	filtered
gpm	gallons per minute
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDL	method detection limit
MY	monitoring year
N	no (best value flag code)
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
PME	periodic monitoring event
PMR	periodic monitoring report
QC	quality control
SOP	standard operating procedure
SVOC	semivolatile organic compound
TA	technical area
UF	unfiltered
VOC	volatile organic compound
Y	yes (best value flag code)

1.0 INTRODUCTION

This annual periodic monitoring report (PMR) for the Technical Area 21 (TA-21) Monitoring Group provides documentation of the following groundwater periodic monitoring events (PMEs) conducted by Los Alamos National Laboratory (LANL or the Laboratory):

Watershed	PMEs Reported in this PMR		PME Field Sampling	
	MY*	Quarter	Begin	End
Los Alamos	2016	2	02/29/16	03/16/16
		4	08/22/16	09/08/16

*MY = monitoring year.

The annual PMR for the TA-21 Monitoring Group is submitted to the New Mexico Environment Department (NMED) every February and includes TA-21 monitoring group PMEs performed through the fourth quarter of the monitoring year.

Monitoring was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2016 Monitoring Year, October 2015–September 2016 (2016 IFGMP), (LANL 2015, 600467), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The PMEs noted above included sampling of groundwater well (or well screen) locations.

This PMR also includes any results from previous TA-21 monitoring group PMEs that have not yet been reported because validated laboratory data were not available (in some cases because of data release agreements).

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

This report presents the following information:

- general background information on the monitoring group
- field-measurement monitoring results
- water-quality monitoring results
- screening analysis results (comparing these PME results with regulatory standards and results from previous reports)
- a summary based on the data and the screening analysis

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

1.1 Background

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 21-011(k)], the adsorption beds and disposal shafts at Material Disposal Area T, DP West, and waste lines and sumps. Other potential sources include DP East and leakage from an underground diesel fuel line. The monitoring objectives for the TA-21 monitoring group are based in part on the results and conclusions presented in the Los Alamos and Pueblo Canyons Investigation Report (LANL 2004, 087390) as well as on the NMED-approved Los Alamos and Pueblo Canyons Groundwater Monitoring Well Network Evaluation and Recommendations, Revision 1 (LANL 2008, 101330).

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

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

2.0 SCOPE OF ACTIVITIES

The PMEs for the TA-21 monitoring group were conducted pursuant to the 2016 IFGMP (LANL 2015, 600467).

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 in Figure 2.0-1.

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2016 IFGMP (LANL 2015, 600467).

3.2 Field Parameter Results

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

3.3 Groundwater Elevations

The groundwater level is measured at each groundwater monitoring location before purging and sampling that location as required by the Consent Order. Section 3.4 notes any instances where this requirement could not be met.

In addition to collecting groundwater-level data before purging and sampling, the Laboratory collects groundwater-level data "continuously" (e.g., hourly, daily) for most monitoring locations 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 water-level measurement taken earliest on the day of sampling. All manual measurements were recorded immediately before sampling. The groundwater-elevation measurements are shown graphically on Plate 1.

The following three groundwater-level measurements were manually collected by the field sampling subcontractor before purging and sampling the monitoring wells.

Monitoring Location	Groundwater Level Measurement/ Sample Collection Date	Groundwater Elevation (ft, amsl*)
LADP-3	03/02/16	6433.17
LAOI(a)-1.1	08/25/16	6539.48
TA-53i	08/22/16	6386.42

*amsl = Above mean sea level.

Note that these three groundwater level elevations are not included in the Environmental Information Management (EIM) database and are therefore not included in Appendix B or on Plate 1. The Laboratory is in the process of formalizing procedures for the validation of groundwater elevation data that are manually collected by subcontractors to ensure compliance with EIM quality assurance requirements. Once this process is finalized, all groundwater elevation data that are manually collected by subcontractors will be entered into EIM.

3.4 Deviations from Planned Scope

Table 3.4-1 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 3.4-2 presents a list of analytes with method detection limits (MDLs) greater than screening levels. Some of the analytes were measured using more than one analytical method, leading to a range of MDLs. For some of these analytes, the MDL is much lower than for earlier analyses. Table 3.4-3 presents a list of analytes with MDLs below screening levels. The tables apply to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the tables for reference.

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities associated with the data reported in this PMR are documented in the 2016 IFGMP (LANL 2015, 600467). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and ENV-RCRA-QP-010, Land Application of Groundwater. ENV-RCRA-QP-010 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. The procedures are listed at http://www.lanl.gov/environment/plans-procedures.php and are available at eprr.lanl.gov. Completed chain-of-custody forms serve as analytical request forms and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each required analysis.

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

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

After the Laboratory receives the analytical laboratory data packages, the packages receive secondary validation. For data collected before March 2012, validation was done by an independent contractor, Analytical Quality Associates, Inc. (AQA). After that date, validation is done by an automated process after data are loaded.

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

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

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

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

4.2 Analytical Data

Appendix C presents the analytical data for the two PMEs reported in this PMR and from the four 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 spike and matrix spike duplicates, and field blanks, trip blanks, and equipment blanks are not included in the data set.
    - ❖ Field duplicates, reanalyses, and results from different analytical methods are reported.
- Radionuclides
    - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
    - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
    - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
    - ❖ All detected results are reported.

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

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

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral. Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location. Hardness-dependent acute and chronic criteria were used for total aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code (NMAC) 6.4.900.

- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to groundwater cleanup levels described in Section VIII.A.1 of the Consent Order; for an individual substance, the lower of the EPA MCL or the NMWQCC groundwater standard is used.
- If an NMWQCC standard or an MCL has not been established for a specific substance for which toxicological information is published, the EPA regional screening levels for tap water are used as the groundwater cleanup level. These 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 are for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used for screening. This report was prepared using the May 2016 EPA regional screening levels.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.
- The analytical results for radionuclides and radioactivity are voluntarily compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Technical Standards (DCSs) for groundwater but are not reported in Table 4.2-2 or Appendix D.

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

Table 4.2-2 provides groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above screening levels. Multiple detections are included in the table except for field duplicate exceedances. For example, if aluminum was detected above a screening level in both a primary sample and a field duplicate, only the primary sample result is shown. If aluminum was detected above a screening level in two primary samples, both results are shown.

For the data reported in this PMR, Figure 4.2-1 shows concentrations at all locations for the one analyte that exceeded its screening level at more than one sampling location. That is, filtered perchlorate was above the Consent Order screening level at more than one well, so all available perchlorate values in the data reported in this PMR are shown in addition to the screening-level exceedances, which are displayed in yellow boxes.

Graphs in Appendix E display concentration histories of analytes for locations where the analyte was above its screening level at least once during the three most recent PMEs. Appendix E contains all locations where screening levels were exceeded, not in just those instances that are reported in this PMR. Concentrations of the analyte are plotted for a 3-yr period. If 3 yr of data are not available, then all available results for the analyte are plotted. When shown, the solid red lines depict applicable screening levels. Results with a best value flag of N are not included in Appendix E.

4.2.1 Surface Water (Base Flow)

There are no surface-water monitoring locations in the TA-21 monitoring group.

4.2.2 Groundwater

Table 4.2-2 shows that three groundwater analytical results reported in this PMR were above applicable screening levels.

At R-6i, an intermediate groundwater monitoring well, the filtered perchlorate concentration of 6.26 µg/L for the sample collected on August 23, 2016, was above the 4 µg/L Consent Order screening level. Previous measurements of perchlorate (filtered samples) at R-6i since 2006 range from 5.72 µg/L to 8.6 µg/L.

At LAOI-3.2, an intermediate groundwater monitoring well, the filtered perchlorate concentration of 4.46 µg/L for the sample collected on August 24, 2016, was above the 4 µg/L Consent Order screening level. Previous measurements of perchlorate (filtered samples) at LAOI-3.2 since 2005 range from 1.5 µg/L to 9.0 µg/L.

At LAOI-3.2a, an intermediate groundwater monitoring well, the unfiltered dibenz(a,h)anthracene concentration of 0.0787 µg/L for the sample collected on August 30, 2016, was above the 0.034 µg/L EPA tap water screening level. This is the first time dibenz(a,h)anthracene was detected at this monitoring location (based on sampling and analysis data since 2006). The reported detection was determined by the low-MDL semivolatile organic compound (SVOC) method. Reanalysis of the sample by this method, however, produced a nondetect result for dibenz(a,h)anthracene.

4.3 Sampling Program Modifications

No modifications to the currently planned periodic monitoring of the TA-21 monitoring group are proposed at this time.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

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

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

There are no surface-water monitoring locations in the TA-21 monitoring group.

5.2.2 Groundwater

Three groundwater analytical results reported in this PMR were above applicable screening levels (Table 4.2-2). For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported in previous PMRs for this monitoring group, with the following exception.

The detection of dibenz(a,h)anthracene at LAOI-3.2a on August 30, 2016, was the first time this analyte was detected at this monitoring location. A definitive assessment of the dibenz(a,h)anthracene analytical results for this sample (i.e., one detect and one nondetect result) cannot be made at this time. Continuation of the planned IFGMP monitoring at LAOI-3.2a is necessary.

5.3 Data Gaps

Table 3.4-1 summarizes the deviations from the planned monitoring scope that were experienced while conducting the work associated with the monitoring data reported in this PMR.

Although not specifically data gaps, the sample holding-time exceedances summarized in Table 3.4-1 result in qualification of the associated analytical data. The holding-time exceedances listed in Table 3.4-1 are a result of the contract analytical laboratory's misunderstanding of sample holding-time requirements. Specifically, analyzing preserved volatile organic compound (VOC) samples after the 14-d holding time, but before 2 times the holding time (28 d) must be limited to only those rare cases where analysis before the holding time expires is unavoidable. A corrective action was implemented on December 15, 2016, that requires the contract analytical laboratory to analyze the Laboratory samples within method-specified holding times. The corrective action also requires the contract laboratory to notify the responsible LANL project manager if any samples cannot be analyzed within the method-specified holding times and fully explain in the analytical narrative why samples were analyzed outside of the method-specified holding times.

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the TA-21 monitoring group because no systems are installed in this monitoring group.

6.0 REFERENCES

The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID or ESH ID. This information is also included in text citations. ER IDs were assigned by the Environmental Programs Directorate's Records Processing Facility (IDs through 599999), and ESH IDs are assigned by the Environment, Safety, and Health (ESH) Directorate (IDs 600000 and above). IDs are used to locate documents in the Laboratory's Electronic Document Management System and, where applicable, in the master reference set.

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

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

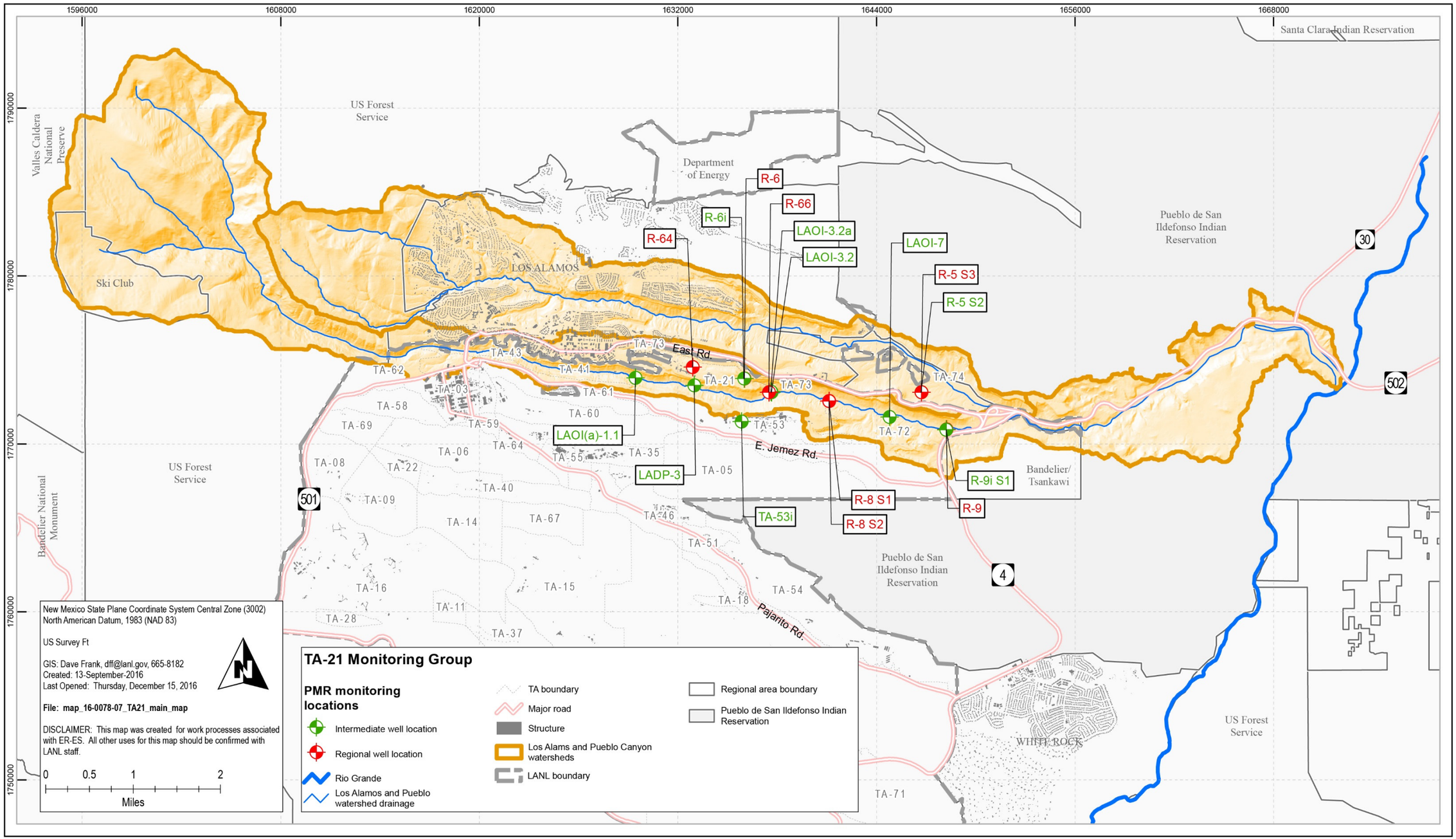


Figure 2.0-1 TA-21 monitoring group locations (see also Table 2.0-1)

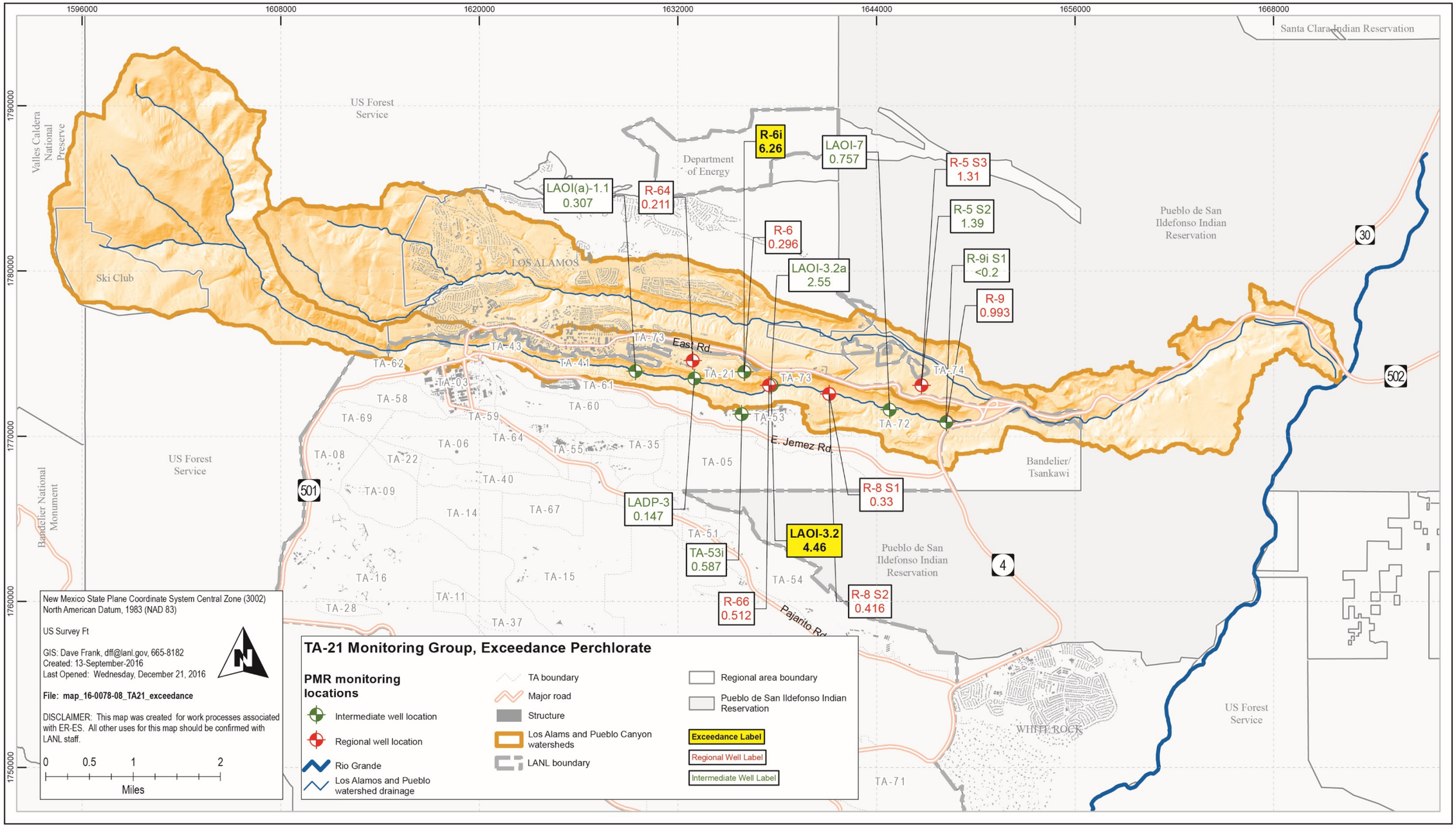


Figure 4.2-1 Monitoring group filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

Table 2.0-1
TA-21 Monitoring Group PME Locations and General Information

Location	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							
Intermediate										
LADP-3[b]	Los Alamos	2016	2	03/02/16	n/a[c]	n/a	n/a	0.57	3.4	n/a
LADP-3[b]			4	09/08/16	n/a	n/a	n/a	0.72	2.16	n/a
LAOI(a)-1.1				08/25/16	9.8	295.2	305	5.31	32.57	0.88
LAOI-3.2				08/24/16	9.5	153.3	162.8	6.17	19.8	0.09
LAOI-3.2a				08/30/16	9.6	181.4	191	3.87	11.8	0.59
LAOI-7				08/31/16	n/a	n/a	n/a	9.81	30	1.2
R-5 S2[d]				08/23/16	16	372.8	388.8	n/a	n/a	n/a
R-6i				08/23/16	10	602	612	17.3	59.5	3.9
R-9i S1[d]				09/07/16	10.4	189.1	199.5	n/a	n/a	n/a
TA-53i				08/22/16	10	600	610	20.45	64.26	3.06
Regional										
R-6	Los Alamos	2016	2	03/01/16	23	1205	1228	75.72	289	8.5
R-64				03/01/16	20.5	1285.0	1305.5	46.79	307.5	7.5
R-66				02/29/16	20.3	819.4	839.7	53.8	240	5
R-5 S3[d]			4	08/24/16	43.4	676.9	720.3	n/a	n/a	n/a
R-6				08/23/16	23	1205	1228	74.85	233.24	8.33
R-64				08/29/16	20.5	1285.0	1305.5	45.5	160.5	6.98
R-66				08/30/16	20.3	819.4	839.7	55.96	170	5
R-8 S1[d]				08/31/16	50.39	705.31	755.7	n/a	n/a	n/a
R-8 S2[d]				09/01/16	7	821	828	n/a	n/a	n/a
R-9				08/25/16	65.5	683	748.5	53.74	170	10

[a] gpm = Gallons per minute.

[b] LADP-3 was sampled with a hand bailer.

[c] n/a = Not applicable.

[d] Monitoring location is equipped with Westbay sampling equipment (i.e., no-purge sampling).

Table 3.4-1
TA-21 Monitoring Group PME Observations and Deviations

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		MY	Quarter			
LAOI(a)-1.1	Los Alamos	2016	4	The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/25/16.	Contract analytical laboratory misunderstanding of sample holding-time requirements. See Section 5.3 for additional information.	Sample was analyzed within 2 times the method-specified holding time and the result was qualified in accordance with LANL data validation procedures. A corrective action was implemented on December 15, 2016, that requires the contract analytical laboratory to analyze LANL samples within method-specified holding times.
LAOI-3.2				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/24/16.		
LAOI-3.2				The 14-d holding time for VOC analysis was exceeded for the **field duplicate** sample collected on 08/24/16.		
LAOI-3.2a				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/30/16.		
R-5 S2				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/23/16.		
R-5 S3				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/24/16.		
R-6				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/23/16.		
R-64				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/29/16.		
R-66				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/30/16.		
R-6i				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/23/16.		
R-9				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/25/16.		
TA-53i				The 14-d holding time for VOC analysis was exceeded for the sample collected on 08/22/16.		

Table 3.4-2
Target Analytes with MDLs above Screening Levels

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Semivolatile Organic Compounds						
Atrazine	3.09–3.33	SW-846:8270D	3	µg/L	EPA MCL	GELC[a]
Azobenzene	1.5–3.33	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL[b]	GELC
Benzidine	0.83–4.33	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0011	µg/L	EPA TAP SCRN LVL	GELC
Benzo(a)anthracene	0.15–0.333	SW-846:8270D	0.12	µg/L	EPA TAP SCRN LVL	GELC
Benzo(a)pyrene	0.3–0.333	SW-846:8270D	0.2	µg/L	EPA MCL	GELC
Bis(2-chloroethyl)ether	1.5–3.33	SW-846:8270D	0.14	µg/L	EPA TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.0345–0.333	SW-846:8270DGCMS_SIM, SW-846:8270D	0.034	µg/L	EPA TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	1.5–3.33	SW-846:8270D	1.3	µg/L	EPA TAP SCRN LVL	GELC
Dinitro-2-methylphenol[4,6-]	1.58–3.33	SW-846:8270D	1.5	µg/L	EPA TAP SCRN LVL	GELC
Hexachlorobenzene	1.5–3.33	SW-846:8270D	1	µg/L	EPA MCL	GELC
Nitrosodiethylamine[N-]	0.03–3.33	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0017	µg/L	EPA TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	0.07–3.33	SW-846:8270DGCMS_SIM, SW-846:8270D	0.0011	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	0.03–3.33	SW-846:8270DGCMS_SIM, SW-846:8270D	0.027	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	1.5–3.33	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	1.5–3.33	SW-846:8270D	0.37	µg/L	EPA TAP SCRN LVL	GELC
Pentachlorophenol	1.5–3.33	SW-846:8270D	1	µg/L	EPA MCL	GELC
Volatile Organic Compounds						
Acrolein	0.5–1.5	SW-846:8260B_SIM, SW-846:8260B	0.042	µg/L	EPA TAP SCRN LVL	GELC
Acrylonitrile	1	SW-846:8260B	0.52	µg/L	EPA TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.2	SW-846:8260B	0.19	µg/L	EPA TAP SCRN LVL	GELC
Trichloropropane[1,2,3-]	0.018–0.3	SW-846:8011, SW-846:8260B	0.0075	µg/L	EPA TAP SCRN LVL	GELC

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

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

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

Table 3.4-3
Target Analytes with MDLs below Screening Levels

Analyte Name	MDL	Analytical Method	Screening Level	Unit	Screening-Level Type	Lab ID
Herbicides						
Pentachlorophenol	0.0833–0.107	SW-846:8151A	1	µg/L	EPA MCL	GELC[a]
Pesticides and PCBs						
Hexachlorobenzene	0.00625–0.00791	SW-846:8081B	1	µg/L	EPA MCL	GELC
Semivolatile Organic Compounds						
Atrazine	1.5–3	SW-846:8270D	3	µg/L	EPA MCL	GELC
Benzo(a)anthracene	0.03–0.0395	SW-846:8270DGCMS_SIM	0.12	µg/L	EPA TAP SCRN LVL[b]	GELC
Benzo(a)pyrene	0.03–0.19	SW-846:8270D, SW-846:8270DGCMS_SIM	0.2	µg/L	EPA MCL	GELC
Benzo(b)fluoranthene	0.03–0.333	SW-846:8270D, SW-846:8270DGCMS_SIM	0.34	µg/L	EPA TAP SCRN LVL	GELC
Bis(2-chloroethyl)ether	0.03–0.0395	SW-846:8270DGCMS_SIM	0.14	µg/L	EPA TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.03–0.0337	SW-846:8270DGCMS_SIM	0.034	µg/L	EPA TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	0.039–0.0513	SW-846:8270DGCMS_SIM	1.3	µg/L	EPA TAP SCRN LVL	GELC
Dinitro-2-methylphenol[4,6-]	1.5	SW-846:8270D	1.5	µg/L	EPA TAP SCRN LVL	GELC
Indeno(1,2,3-cd)pyrene	0.03–0.333	SW-846:8270D, SW-846:8270DGCMS_SIM	0.34	µg/L	EPA TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	0.03–0.0395	SW-846:8270DGCMS_SIM	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	0.03–0.0395	SW-846:8270DGCMS_SIM	0.37	µg/L	EPA TAP SCRN LVL	GELC
Oxybis(1-chloropropane)[2,2'-]	1.5–3.33	SW-846:8270D	710	µg/L	EPA TAP SCRN LVL	GELC
Volatile Organic Compounds						
Acrylonitrile	0.5	SW-846:8260B_SIM	0.52	µg/L	EPA TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.1	SW-846:8260B_SIM	0.19	µg/L	EPA TAP SCRN LVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.00851–0.0091	SW-846:8011	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.00851–0.0091	SW-846:8011	0.05	µg/L	EPA MCL	GELC
Methacrylonitrile	1	SW-846:8260B	1.9	µg/L	EPA TAP SCRN LVL	GELC

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

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

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

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

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 458.1	DOE 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
EPA Regional Screening Levels[d]	EPA Regional Screening Levels for Tap Water	X	n/a
Consent Order	Screening Level for Perchlorate in Groundwater	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[e,f]
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Chronic	n/a	X[e,f]
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] Available at http://www.epa.gov/risk/risk-based-screening-table-generic-tables.

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

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

Table 4.2-2
TA-21 Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Intermediate Groundwater							
R-6i	08/23/16	Perchlorate	F[a]	6.26	µg/L	4	Consent Order
LAOI-3.2	08/24/16	Perchlorate	F	4.46	µg/L	4	Consent Order
LAOI-3.2a	08/30/16	Dibenz(a,h)anthracene	UF[b]	0.0787	µg/L	0.034	EPA TAP SCRN LVL[c]

[a] F = Filtered.

[b] UF = Unfiltered.

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

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LADP-3	316	09/08/16	WG[a]	Dissolved Oxygen	9.11	mg/L	CALA-16-124846
LADP-3	316	03/02/16	WG	Dissolved Oxygen	9	mg/L	CALA-16-110552
LADP-3	316	08/30/12	WG	Dissolved Oxygen	8.92	mg/L	CALA-12-22815
LADP-3	316	03/07/11	WG	Dissolved Oxygen	8.31	mg/L	CALA-11-5094
LADP-3	316	08/20/10	WG	Dissolved Oxygen	11.7	mg/L	CALA-10-24991
LADP-3	316	01/07/10	WG	Dissolved Oxygen	5.01	mg/L	CALA-10-9163
LADP-3	316	09/08/16	WG	Oxidation-Reduction Potential	286.7	mV	CALA-16-124846
LADP-3	316	03/02/16	WG	Oxidation-Reduction Potential	805	mV	CALA-16-110552
LADP-3	316	08/30/12	WG	Oxidation-Reduction Potential	42.5	mV	CALA-12-22815
LADP-3	316	03/07/11	WG	Oxidation-Reduction Potential	172.5	mV	CALA-11-5094
LADP-3	316	08/20/10	WG	Oxidation-Reduction Potential	460.1	mV	CALA-10-24991
LADP-3	316	01/07/10	WG	Oxidation-Reduction Potential	366.2	mV	CALA-10-9163
LADP-3	316	09/08/16	WG	pH	7.21	SU[b]	CALA-16-124846
LADP-3	316	03/02/16	WG	pH	7.86	SU	CALA-16-110552
LADP-3	316	08/30/12	WG	pH	10.52	SU	CALA-12-22815
LADP-3	316	03/07/11	WG	pH	6.87	SU	CALA-11-5094
LADP-3	316	08/20/10	WG	pH	6.49	SU	CALA-10-24991
LADP-3	316	01/07/10	WG	pH	6.33	SU	CALA-10-9163
LADP-3	316	09/08/16	WG	Specific Conductance	54.5	µS/cm	CALA-16-124846
LADP-3	316	03/02/16	WG	Specific Conductance	81	µS/cm	CALA-16-110552
LADP-3	316	08/30/12	WG	Specific Conductance	93	µS/cm	CALA-12-22815
LADP-3	316	03/07/11	WG	Specific Conductance	159	µS/cm	CALA-11-5094
LADP-3	316	08/20/10	WG	Specific Conductance	223	µS/cm	CALA-10-24991
LADP-3	316	01/07/10	WG	Specific Conductance	230	µS/cm	CALA-10-9163
LADP-3	316	09/08/16	WG	Temperature	12.1	deg C	CALA-16-124846
LADP-3	316	03/02/16	WG	Temperature	10.28	deg C	CALA-16-110552
LADP-3	316	08/30/12	WG	Temperature	11.22	deg C	CALA-12-22815
LADP-3	316	03/07/11	WG	Temperature	9.65	deg C	CALA-11-5094
LADP-3	316	08/20/10	WG	Temperature	10.72	deg C	CALA-10-24991
LADP-3	316	01/07/10	WG	Temperature	9.35	deg C	CALA-10-9163
LADP-3	316	09/08/16	WG	Turbidity	96	NTU[c]	CALA-16-124846
LADP-3	316	03/02/16	WG	Turbidity	133.3	NTU	CALA-16-110552
LADP-3	316	08/30/12	WG	Turbidity	2.75	NTU	CALA-12-22815
LADP-3	316	08/20/10	WG	Turbidity	0.69	NTU	CALA-10-24991
LADP-3	316	01/07/10	WG	Turbidity	1.12	NTU	CALA-10-9163
LADP-3	316	07/15/09	WG	Turbidity	0.97	NTU	CALA-09-11129
LAOI(a)-1.1	295.2	08/25/16	WG	Dissolved Oxygen	8.87	mg/L	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	Dissolved Oxygen	9.19	mg/L	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	Dissolved Oxygen	9.41	mg/L	CALA-14-86010

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI(a)-1.1	295.2	08/15/13	WG	Dissolved Oxygen	9.37	mg/L	CALA-13-39185
LAOI(a)-1.1	295.2	09/04/12	WG	Dissolved Oxygen	9.82	mg/L	CALA-12-22816
LAOI(a)-1.1	295.2	08/25/16	WG	Flow (in gpm[d])	0.88	gpm	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	Flow (in gpm)	0.55	gpm	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	Flow (in gpm)	0.85	gpm	CALA-14-86010
LAOI(a)-1.1	295.2	03/08/11	WG	Flow (in gpm)	0.4	gpm	CALA-11-5112
LAOI(a)-1.1	295.2	08/19/10	WG	Flow (in gpm)	0.7	gpm	CALA-10-25215
LAOI(a)-1.1	295.2	08/25/16	WG	Oxidation-Reduction Potential	216.7	mV	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	Oxidation-Reduction Potential	178.7	mV	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	Oxidation-Reduction Potential	167.1	mV	CALA-14-86010
LAOI(a)-1.1	295.2	08/15/13	WG	Oxidation-Reduction Potential	184.1	mV	CALA-13-39185
LAOI(a)-1.1	295.2	09/04/12	WG	Oxidation-Reduction Potential	230	mV	CALA-12-22816
LAOI(a)-1.1	295.2	08/25/16	WG	pH	6.92	SU	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	pH	7.24	SU	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	pH	6.68	SU	CALA-14-86010
LAOI(a)-1.1	295.2	08/15/13	WG	pH	6.77	SU	CALA-13-39185
LAOI(a)-1.1	295.2	09/04/12	WG	pH	6.8	SU	CALA-12-22816
LAOI(a)-1.1	295.2	08/25/16	WG	Specific Conductance	105	µS/cm	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	Specific Conductance	117	µS/cm	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	Specific Conductance	106	µS/cm	CALA-14-86010
LAOI(a)-1.1	295.2	08/15/13	WG	Specific Conductance	99	µS/cm	CALA-13-39185
LAOI(a)-1.1	295.2	09/04/12	WG	Specific Conductance	94	µS/cm	CALA-12-22816
LAOI(a)-1.1	295.2	08/25/16	WG	Temperature	10.1	deg C	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	Temperature	11.92	deg C	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	Temperature	9.97	deg C	CALA-14-86010
LAOI(a)-1.1	295.2	08/15/13	WG	Temperature	10.02	deg C	CALA-13-39185
LAOI(a)-1.1	295.2	09/04/12	WG	Temperature	9.65	deg C	CALA-12-22816
LAOI(a)-1.1	295.2	08/25/16	WG	Turbidity	34.3	NTU	CALA-16-124847
LAOI(a)-1.1	295.2	09/15/15	WG	Turbidity	25.1	NTU	CALA-15-103977
LAOI(a)-1.1	295.2	09/02/14	WG	Turbidity	91.2	NTU	CALA-14-86010
LAOI(a)-1.1	295.2	08/15/13	WG	Turbidity	146.6	NTU	CALA-13-39185
LAOI(a)-1.1	295.2	09/04/12	WG	Turbidity	51.2	NTU	CALA-12-22816
LAOI-3.2	153.3	08/24/16	WG	Dissolved Oxygen	11.33	mg/L	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	Dissolved Oxygen	10.14	mg/L	CALA-15-103978
LAOI-3.2	153.3	09/03/14	WG	Dissolved Oxygen	12.2	mg/L	CALA-14-86011
LAOI-3.2	153.3	08/13/13	WG	Dissolved Oxygen	11.3	mg/L	CALA-13-39186
LAOI-3.2	153.3	12/21/12	WG	Dissolved Oxygen	10.94	mg/L	CALA-13-24752
LAOI-3.2	153.3	08/24/16	WG	Flow (in gpm)	0.09	gpm	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	Flow (in gpm)	0.09	gpm	CALA-15-103978

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-3.2	153.3	09/03/14	WG	Flow (in gpm)	0.11	gpm	CALA-14-86011
LAOI-3.2	153.3	03/22/11	WG	Flow (in gpm)	0.2	gpm	CALA-11-5115
LAOI-3.2	153.3	08/23/10	WG	Flow (in gpm)	0.17	gpm	CALA-10-25220
LAOI-3.2	153.3	08/24/16	WG	Oxidation-Reduction Potential	288.8	mV	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	Oxidation-Reduction Potential	198.3	mV	CALA-15-103978
LAOI-3.2	153.3	09/03/14	WG	Oxidation-Reduction Potential	174.5	mV	CALA-14-86011
LAOI-3.2	153.3	08/13/13	WG	Oxidation-Reduction Potential	201.6	mV	CALA-13-39186
LAOI-3.2	153.3	12/21/12	WG	Oxidation-Reduction Potential	121.7	mV	CALA-13-24752
LAOI-3.2	153.3	08/24/16	WG	pH	6.57	SU	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	pH	6.46	SU	CALA-15-103978
LAOI-3.2	153.3	09/03/14	WG	pH	6.55	SU	CALA-14-86011
LAOI-3.2	153.3	08/13/13	WG	pH	6.5	SU	CALA-13-39186
LAOI-3.2	153.3	12/21/12	WG	pH	6.59	SU	CALA-13-24752
LAOI-3.2	153.3	08/24/16	WG	Specific Conductance	281	µS/cm	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	Specific Conductance	293	µS/cm	CALA-15-103978
LAOI-3.2	153.3	09/03/14	WG	Specific Conductance	261	µS/cm	CALA-14-86011
LAOI-3.2	153.3	08/13/13	WG	Specific Conductance	283	µS/cm	CALA-13-39186
LAOI-3.2	153.3	12/21/12	WG	Specific Conductance	265	µS/cm	CALA-13-24752
LAOI-3.2	153.3	08/24/16	WG	Temperature	12.2	deg C	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	Temperature	12.88	deg C	CALA-15-103978
LAOI-3.2	153.3	09/03/14	WG	Temperature	12.61	deg C	CALA-14-86011
LAOI-3.2	153.3	08/13/13	WG	Temperature	12.2	deg C	CALA-13-39186
LAOI-3.2	153.3	12/21/12	WG	Temperature	10.61	deg C	CALA-13-24752
LAOI-3.2	153.3	08/24/16	WG	Turbidity	1.04	NTU	CALA-16-124848
LAOI-3.2	153.3	09/18/15	WG	Turbidity	0.5	NTU	CALA-15-103978
LAOI-3.2	153.3	09/03/14	WG	Turbidity	1.47	NTU	CALA-14-86011
LAOI-3.2	153.3	08/13/13	WG	Turbidity	0.7	NTU	CALA-13-39186
LAOI-3.2	153.3	12/21/12	WG	Turbidity	0.73	NTU	CALA-13-24752
LAOI-3.2a	181.4	08/30/16	WG	Dissolved Oxygen	8.82	mg/L	CALA-16-124849
LAOI-3.2a	181.4	09/17/15	WG	Dissolved Oxygen	8.82	mg/L	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	Dissolved Oxygen	8.83	mg/L	CALA-14-86012
LAOI-3.2a	181.4	08/14/13	WG	Dissolved Oxygen	8.78	mg/L	CALA-13-39205
LAOI-3.2a	181.4	09/13/12	WG	Dissolved Oxygen	9.23	mg/L	CALA-12-22818
LAOI-3.2a	181.4	08/30/16	WG	Flow (in gpm)	0.59	gpm	CALA-16-124849
LAOI-3.2a	181.4	09/17/15	WG	Flow (in gpm)	0.69	gpm	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	Flow (in gpm)	0.75	gpm	CALA-14-86012
LAOI-3.2a	181.4	03/22/11	WG	Flow (in gpm)	0.8	gpm	CALA-11-5159
LAOI-3.2a	181.4	08/20/10	WG	Flow (in gpm)	1	gpm	CALA-10-25221
LAOI-3.2a	181.4	08/30/16	WG	Oxidation-Reduction Potential	202.5	mV	CALA-16-124849

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-3.2a	181.4	09/17/15	WG	Oxidation-Reduction Potential	192	mV	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	Oxidation-Reduction Potential	237.4	mV	CALA-14-86012
LAOI-3.2a	181.4	08/14/13	WG	Oxidation-Reduction Potential	192.6	mV	CALA-13-39205
LAOI-3.2a	181.4	09/13/12	WG	Oxidation-Reduction Potential	164.5	mV	CALA-12-22818
LAOI-3.2a	181.4	08/30/16	WG	pH	6.7	SU	CALA-16-124849
LAOI-3.2a	181.4	09/17/15	WG	pH	6.42	SU	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	pH	6.26	SU	CALA-14-86012
LAOI-3.2a	181.4	08/14/13	WG	pH	6.61	SU	CALA-13-39205
LAOI-3.2a	181.4	09/13/12	WG	pH	6.71	SU	CALA-12-22818
LAOI-3.2a	181.4	08/30/16	WG	Specific Conductance	272.9	µS/cm	CALA-16-124849
LAOI-3.2a	181.4	09/17/15	WG	Specific Conductance	278	µS/cm	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	Specific Conductance	276	µS/cm	CALA-14-86012
LAOI-3.2a	181.4	08/14/13	WG	Specific Conductance	273	µS/cm	CALA-13-39205
LAOI-3.2a	181.4	09/13/12	WG	Specific Conductance	271	µS/cm	CALA-12-22818
LAOI-3.2a	181.4	08/30/16	WG	Temperature	12.5	deg C	CALA-16-124849
LAOI-3.2a	181.4	09/17/15	WG	Temperature	13.22	deg C	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	Temperature	12	deg C	CALA-14-86012
LAOI-3.2a	181.4	08/14/13	WG	Temperature	12.17	deg C	CALA-13-39205
LAOI-3.2a	181.4	09/13/12	WG	Temperature	11.82	deg C	CALA-12-22818
LAOI-3.2a	181.4	08/30/16	WG	Turbidity	0.7	NTU	CALA-16-124849
LAOI-3.2a	181.4	09/17/15	WG	Turbidity	0.5	NTU	CALA-15-103979
LAOI-3.2a	181.4	09/04/14	WG	Turbidity	0.39	NTU	CALA-14-86012
LAOI-3.2a	181.4	08/14/13	WG	Turbidity	0.32	NTU	CALA-13-39205
LAOI-3.2a	181.4	09/13/12	WG	Turbidity	0.27	NTU	CALA-12-22818
LAOI-7	240	08/31/16	WG	Dissolved Oxygen	7.79	mg/L	CALA-16-124850
LAOI-7	240	09/11/14	WG	Dissolved Oxygen	7.88	mg/L	CALA-14-86013
LAOI-7	240	08/08/13	WG	Dissolved Oxygen	7.99	mg/L	CALA-13-39188
LAOI-7	240	09/11/12	WG	Dissolved Oxygen	8.07	mg/L	CALA-12-22894
LAOI-7	240	03/10/11	WG	Dissolved Oxygen	7.97	mg/L	CALA-11-5160
LAOI-7	240	08/31/16	WG	Flow (in gpm)	1.2	gpm	CALA-16-124850
LAOI-7	240	09/11/14	WG	Flow (in gpm)	1.86	gpm	CALA-14-86013
LAOI-7	240	03/10/11	WG	Flow (in gpm)	3.3	gpm	CALA-11-5160
LAOI-7	240	08/26/10	WG	Flow (in gpm)	3.3	gpm	CALA-10-25225
LAOI-7	240	01/14/10	WG	Flow (in gpm)	3	gpm	CALA-10-9165
LAOI-7	240	08/31/16	WG	Oxidation-Reduction Potential	34.6	mV	CALA-16-124850
LAOI-7	240	09/11/14	WG	Oxidation-Reduction Potential	75.4	mV	CALA-14-86013
LAOI-7	240	08/08/13	WG	Oxidation-Reduction Potential	156.5	mV	CALA-13-39188
LAOI-7	240	09/11/12	WG	Oxidation-Reduction Potential	56.8	mV	CALA-12-22894
LAOI-7	240	03/10/11	WG	Oxidation-Reduction Potential	43.5	mV	CALA-11-5160

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
LAOI-7	240	08/31/16	WG	pH	7.09	SU	CALA-16-124850
LAOI-7	240	09/11/14	WG	pH	7.24	SU	CALA-14-86013
LAOI-7	240	08/08/13	WG	pH	7.23	SU	CALA-13-39188
LAOI-7	240	09/11/12	WG	pH	7.13	SU	CALA-12-22894
LAOI-7	240	03/10/11	WG	pH	7.22	SU	CALA-11-5160
LAOI-7	240	08/31/16	WG	Specific Conductance	202.5	µS/cm	CALA-16-124850
LAOI-7	240	09/11/14	WG	Specific Conductance	202	µS/cm	CALA-14-86013
LAOI-7	240	08/08/13	WG	Specific Conductance	212	µS/cm	CALA-13-39188
LAOI-7	240	09/11/12	WG	Specific Conductance	218	µS/cm	CALA-12-22894
LAOI-7	240	03/10/11	WG	Specific Conductance	228	µS/cm	CALA-11-5160
LAOI-7	240	08/31/16	WG	Temperature	14.8	deg C	CALA-16-124850
LAOI-7	240	09/11/14	WG	Temperature	15.18	deg C	CALA-14-86013
LAOI-7	240	08/08/13	WG	Temperature	14.82	deg C	CALA-13-39188
LAOI-7	240	09/11/12	WG	Temperature	14.69	deg C	CALA-12-22894
LAOI-7	240	03/10/11	WG	Temperature	14.26	deg C	CALA-11-5160
LAOI-7	240	08/31/16	WG	Turbidity	3	NTU	CALA-16-124850
LAOI-7	240	09/11/14	WG	Turbidity	0.9	NTU	CALA-14-86013
LAOI-7	240	08/08/13	WG	Turbidity	2.2	NTU	CALA-13-39188
LAOI-7	240	09/11/12	WG	Turbidity	2.15	NTU	CALA-12-22894
LAOI-7	240	03/10/11	WG	Turbidity	1.4	NTU	CALA-11-5160
R-5 S2	372.8	08/23/16	WG	Dissolved Oxygen	8.17	mg/L	CALA-16-124851
R-5 S2	372.8	09/10/15	WG	Dissolved Oxygen	6.54	mg/L	CALA-15-103987
R-5 S2	372.8	08/14/13	WG	Dissolved Oxygen	5.7	mg/L	CALA-13-39189
R-5 S2	372.8	08/29/12	WG	Dissolved Oxygen	5.09	mg/L	CAPU-12-22843
R-5 S2	372.8	03/09/11	WG	Dissolved Oxygen	4.77	mg/L	CAPU-11-5283
R-5 S2	372.8	08/23/16	WG	pH	8.16	SU	CALA-16-124851
R-5 S2	372.8	09/10/15	WG	pH	8.34	SU	CALA-15-103987
R-5 S2	372.8	08/14/13	WG	pH	8.16	SU	CALA-13-39189
R-5 S2	372.8	08/29/12	WG	pH	8.81	SU	CAPU-12-22843
R-5 S2	372.8	03/09/11	WG	pH	8.16	SU	CAPU-11-5283
R-5 S2	372.8	08/23/16	WG	Specific Conductance	238.9	µS/cm	CALA-16-124851
R-5 S2	372.8	09/10/15	WG	Specific Conductance	265	µS/cm	CALA-15-103987
R-5 S2	372.8	08/14/13	WG	Specific Conductance	267	µS/cm	CALA-13-39189
R-5 S2	372.8	08/29/12	WG	Specific Conductance	226	µS/cm	CAPU-12-22843
R-5 S2	372.8	03/09/11	WG	Specific Conductance	262	µS/cm	CAPU-11-5283
R-5 S2	372.8	08/23/16	WG	Temperature	18.7	deg C	CALA-16-124851
R-5 S2	372.8	09/10/15	WG	Temperature	21.24	deg C	CALA-15-103987
R-5 S2	372.8	08/14/13	WG	Temperature	18.78	deg C	CALA-13-39189
R-5 S2	372.8	08/29/12	WG	Temperature	23.75	deg C	CAPU-12-22843

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-5 S2	372.8	03/09/11	WG	Temperature	19.93	deg C	CAPU-11-5283
R-5 S2	372.8	08/23/16	WG	Turbidity	6.2	NTU	CALA-16-124851
R-5 S2	372.8	09/10/15	WG	Turbidity	6.5	NTU	CALA-15-103987
R-5 S2	372.8	08/14/13	WG	Turbidity	4.3	NTU	CALA-13-39189
R-5 S2	372.8	08/29/12	WG	Turbidity	1.7	NTU	CAPU-12-22843
R-5 S2	372.8	03/09/11	WG	Turbidity	6	NTU	CAPU-11-5283
R-5 S3	676.9	08/24/16	WG	Dissolved Oxygen	5.33	mg/L	CALA-16-124852
R-5 S3	676.9	09/11/15	WG	Dissolved Oxygen	4.55	mg/L	CALA-15-103988
R-5 S3	676.9	08/14/13	WG	Dissolved Oxygen	6.81	mg/L	CALA-13-39190
R-5 S3	676.9	08/30/12	WG	Dissolved Oxygen	5.87	mg/L	CAPU-12-22841
R-5 S3	676.9	03/10/11	WG	Dissolved Oxygen	5.78	mg/L	CAPU-11-5301
R-5 S3	676.9	08/24/16	WG	pH	8.19	SU	CALA-16-124852
R-5 S3	676.9	09/11/15	WG	pH	8.19	SU	CALA-15-103988
R-5 S3	676.9	08/14/13	WG	pH	8.2	SU	CALA-13-39190
R-5 S3	676.9	08/30/12	WG	pH	7.27	SU	CAPU-12-22841
R-5 S3	676.9	03/10/11	WG	pH	7.94	SU	CAPU-11-5301
R-5 S3	676.9	08/24/16	WG	Specific Conductance	264.9	µS/cm	CALA-16-124852
R-5 S3	676.9	09/11/15	WG	Specific Conductance	265	µS/cm	CALA-15-103988
R-5 S3	676.9	08/14/13	WG	Specific Conductance	270	µS/cm	CALA-13-39190
R-5 S3	676.9	08/30/12	WG	Specific Conductance	258	µS/cm	CAPU-12-22841
R-5 S3	676.9	03/10/11	WG	Specific Conductance	264	µS/cm	CAPU-11-5301
R-5 S3	676.9	08/24/16	WG	Temperature	22.2	deg C	CALA-16-124852
R-5 S3	676.9	09/11/15	WG	Temperature	23.05	deg C	CALA-15-103988
R-5 S3	676.9	08/14/13	WG	Temperature	22.85	deg C	CALA-13-39190
R-5 S3	676.9	08/30/12	WG	Temperature	23.21	deg C	CAPU-12-22841
R-5 S3	676.9	03/10/11	WG	Temperature	21.29	deg C	CAPU-11-5301
R-5 S3	676.9	08/24/16	WG	Turbidity	0.4	NTU	CALA-16-124852
R-5 S3	676.9	09/11/15	WG	Turbidity	0.3	NTU	CALA-15-103988
R-5 S3	676.9	08/14/13	WG	Turbidity	4	NTU	CALA-13-39190
R-5 S3	676.9	08/30/12	WG	Turbidity	1.03	NTU	CAPU-12-22841
R-5 S3	676.9	03/10/11	WG	Turbidity	1.9	NTU	CAPU-11-5301
R-6	1205	08/23/16	WG	Dissolved Oxygen	5.43	mg/L	CALA-16-124853
R-6	1205	03/01/16	WG	Dissolved Oxygen	5.38	mg/L	CALA-16-110553
R-6	1205	09/09/15	WG	Dissolved Oxygen	4.73	mg/L	CALA-15-103989
R-6	1205	03/13/15	WG	Dissolved Oxygen	5.8	mg/L	CALA-15-92866
R-6	1205	09/12/14	WG	Dissolved Oxygen	5.62	mg/L	CALA-14-86014
R-6	1205	02/03/14	WG	Dissolved Oxygen	5.92	mg/L	CALA-14-54393
R-6	1205	08/23/16	WG	Flow (in gpm)	8.33	gpm	CALA-16-124853
R-6	1205	03/01/16	WG	Flow (in gpm)	8.5	gpm	CALA-16-110553

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-6	1205	09/09/15	WG	Flow (in gpm)	8.1	gpm	CALA-15-103989
R-6	1205	03/13/15	WG	Flow (in gpm)	8.57	gpm	CALA-15-92866
R-6	1205	09/12/14	WG	Flow (in gpm)	7.9	gpm	CALA-14-86014
R-6	1205	02/03/14	WG	Flow (in gpm)	8.6	gpm	CALA-14-54393
R-6	1205	08/23/16	WG	Oxidation-Reduction Potential	61	mV	CALA-16-124853
R-6	1205	03/01/16	WG	Oxidation-Reduction Potential	78.8	mV	CALA-16-110553
R-6	1205	09/09/15	WG	Oxidation-Reduction Potential	96	mV	CALA-15-103989
R-6	1205	03/13/15	WG	Oxidation-Reduction Potential	203.2	mV	CALA-15-92866
R-6	1205	09/12/14	WG	Oxidation-Reduction Potential	112.3	mV	CALA-14-86014
R-6	1205	02/03/14	WG	Oxidation-Reduction Potential	84.5	mV	CALA-14-54393
R-6	1205	08/23/16	WG	pH	8.19	SU	CALA-16-124853
R-6	1205	03/01/16	WG	pH	8.07	SU	CALA-16-110553
R-6	1205	09/09/15	WG	pH	8.05	SU	CALA-15-103989
R-6	1205	03/13/15	WG	pH	8.2	SU	CALA-15-92866
R-6	1205	09/12/14	WG	pH	8.24	SU	CALA-14-86014
R-6	1205	02/03/14	WG	pH	8.06	SU	CALA-14-54393
R-6	1205	08/23/16	WG	Specific Conductance	139.5	µS/cm	CALA-16-124853
R-6	1205	03/01/16	WG	Specific Conductance	144	µS/cm	CALA-16-110553
R-6	1205	09/09/15	WG	Specific Conductance	142	µS/cm	CALA-15-103989
R-6	1205	03/13/15	WG	Specific Conductance	142	µS/cm	CALA-15-92866
R-6	1205	09/12/14	WG	Specific Conductance	142	µS/cm	CALA-14-86014
R-6	1205	02/03/14	WG	Specific Conductance	142	µS/cm	CALA-14-54393
R-6	1205	08/23/16	WG	Temperature	22	deg C	CALA-16-124853
R-6	1205	03/01/16	WG	Temperature	21.8	deg C	CALA-16-110553
R-6	1205	09/09/15	WG	Temperature	22.68	deg C	CALA-15-103989
R-6	1205	03/13/15	WG	Temperature	22.25	deg C	CALA-15-92866
R-6	1205	09/12/14	WG	Temperature	22.77	deg C	CALA-14-86014
R-6	1205	02/03/14	WG	Temperature	20.04	deg C	CALA-14-54393
R-6	1205	08/23/16	WG	Turbidity	6.1	NTU	CALA-16-124853
R-6	1205	03/01/16	WG	Turbidity	0.1	NTU	CALA-16-110553
R-6	1205	09/09/15	WG	Turbidity	0.2	NTU	CALA-15-103989
R-6	1205	03/13/15	WG	Turbidity	0.39	NTU	CALA-15-92866
R-6	1205	09/12/14	WG	Turbidity	0.8	NTU	CALA-14-86014
R-6	1205	02/03/14	WG	Turbidity	0.7	NTU	CALA-14-54393
R-64	1285	08/29/16	WG	Dissolved Oxygen	5.94	mg/L	CALA-16-124854
R-64	1285	03/01/16	WG	Dissolved Oxygen	6.59	mg/L	CALA-16-110554
R-64	1285	09/10/15	WG	Dissolved Oxygen	6.34	mg/L	CALA-15-103990
R-64	1285	03/12/15	WG	Dissolved Oxygen	6.54	mg/L	CALA-15-92867
R-64	1285	09/02/14	WG	Dissolved Oxygen	6.62	mg/L	CALA-14-86015

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-64	1285	02/04/14	WG	Dissolved Oxygen	6.53	mg/L	CALA-14-54394
R-64	1285	08/29/16	WG	Flow (in gpm)	6.98	gpm	CALA-16-124854
R-64	1285	03/01/16	WG	Flow (in gpm)	7.5	gpm	CALA-16-110554
R-64	1285	09/10/15	WG	Flow (in gpm)	6.97	gpm	CALA-15-103990
R-64	1285	03/12/15	WG	Flow (in gpm)	7.1	gpm	CALA-15-92867
R-64	1285	09/02/14	WG	Flow (in gpm)	6.9	gpm	CALA-14-86015
R-64	1285	02/04/14	WG	Flow (in gpm)	7.3	gpm	CALA-14-54394
R-64	1285	08/29/16	WG	Oxidation-Reduction Potential	140.1	mV	CALA-16-124854
R-64	1285	03/01/16	WG	Oxidation-Reduction Potential	80.9	mV	CALA-16-110554
R-64	1285	09/10/15	WG	Oxidation-Reduction Potential	94.5	mV	CALA-15-103990
R-64	1285	03/12/15	WG	Oxidation-Reduction Potential	211	mV	CALA-15-92867
R-64	1285	09/02/14	WG	Oxidation-Reduction Potential	97.4	mV	CALA-14-86015
R-64	1285	02/04/14	WG	Oxidation-Reduction Potential	120.2	mV	CALA-14-54394
R-64	1285	08/29/16	WG	pH	8.32	SU	CALA-16-124854
R-64	1285	03/01/16	WG	pH	8.1	SU	CALA-16-110554
R-64	1285	09/10/15	WG	pH	8.25	SU	CALA-15-103990
R-64	1285	03/12/15	WG	pH	8.46	SU	CALA-15-92867
R-64	1285	09/02/14	WG	pH	8.38	SU	CALA-14-86015
R-64	1285	02/04/14	WG	pH	8.21	SU	CALA-14-54394
R-64	1285	08/29/16	WG	Specific Conductance	128.6	µS/cm	CALA-16-124854
R-64	1285	03/01/16	WG	Specific Conductance	128	µS/cm	CALA-16-110554
R-64	1285	09/10/15	WG	Specific Conductance	126	µS/cm	CALA-15-103990
R-64	1285	03/12/15	WG	Specific Conductance	128	µS/cm	CALA-15-92867
R-64	1285	09/02/14	WG	Specific Conductance	126	µS/cm	CALA-14-86015
R-64	1285	02/04/14	WG	Specific Conductance	128	µS/cm	CALA-14-54394
R-64	1285	08/29/16	WG	Temperature	20.4	deg C	CALA-16-124854
R-64	1285	03/01/16	WG	Temperature	17.42	deg C	CALA-16-110554
R-64	1285	09/10/15	WG	Temperature	19.28	deg C	CALA-15-103990
R-64	1285	03/12/15	WG	Temperature	18.58	deg C	CALA-15-92867
R-64	1285	09/02/14	WG	Temperature	19.54	deg C	CALA-14-86015
R-64	1285	02/04/14	WG	Temperature	18.07	deg C	CALA-14-54394
R-64	1285	08/29/16	WG	Turbidity	3.1	NTU	CALA-16-124854
R-64	1285	03/01/16	WG	Turbidity	1.5	NTU	CALA-16-110554
R-64	1285	09/10/15	WG	Turbidity	2	NTU	CALA-15-103990
R-64	1285	03/12/15	WG	Turbidity	1.8	NTU	CALA-15-92867
R-64	1285	09/02/14	WG	Turbidity	1.1	NTU	CALA-14-86015
R-64	1285	02/04/14	WG	Turbidity	2.9	NTU	CALA-14-54394
R-66	819.4	08/30/16	WG	Dissolved Oxygen	6.6	mg/L	CALA-16-124855
R-66	819.4	02/29/16	WG	Dissolved Oxygen	6.74	mg/L	CALA-16-110555

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-66	819.4	09/14/15	WG	Dissolved Oxygen	6.78	mg/L	CALA-15-103991
R-66	819.4	03/11/15	WG	Dissolved Oxygen	7.04	mg/L	CALA-15-92868
R-66	819.4	12/03/14	WG	Dissolved Oxygen	7	mg/L	CALA-15-90560
R-66	819.4	09/03/14	WG	Dissolved Oxygen	6.79	mg/L	CALA-14-86016
R-66	819.4	08/30/16	WG	Flow (in gpm)	5	gpm	CALA-16-124855
R-66	819.4	02/29/16	WG	Flow (in gpm)	5	gpm	CALA-16-110555
R-66	819.4	09/14/15	WG	Flow (in gpm)	4.9	gpm	CALA-15-103991
R-66	819.4	03/11/15	WG	Flow (in gpm)	5	gpm	CALA-15-92868
R-66	819.4	12/03/14	WG	Flow (in gpm)	5	gpm	CALA-15-90560
R-66	819.4	09/03/14	WG	Flow (in gpm)	5	gpm	CALA-14-86016
R-66	819.4	08/30/16	WG	Oxidation-Reduction Potential	178.1	mV	CALA-16-124855
R-66	819.4	02/29/16	WG	Oxidation-Reduction Potential	182.7	mV	CALA-16-110555
R-66	819.4	09/14/15	WG	Oxidation-Reduction Potential	185.6	mV	CALA-15-103991
R-66	819.4	03/11/15	WG	Oxidation-Reduction Potential	123.8	mV	CALA-15-92868
R-66	819.4	12/03/14	WG	Oxidation-Reduction Potential	158	mV	CALA-15-90560
R-66	819.4	09/03/14	WG	Oxidation-Reduction Potential	83.6	mV	CALA-14-86016
R-66	819.4	08/30/16	WG	pH	7.75	SU	CALA-16-124855
R-66	819.4	02/29/16	WG	pH	7.78	SU	CALA-16-110555
R-66	819.4	09/14/15	WG	pH	7.66	SU	CALA-15-103991
R-66	819.4	03/11/15	WG	pH	7.78	SU	CALA-15-92868
R-66	819.4	12/03/14	WG	pH	7.8	SU	CALA-15-90560
R-66	819.4	09/03/14	WG	pH	7.85	SU	CALA-14-86016
R-66	819.4	08/30/16	WG	Specific Conductance	192.2	µS/cm	CALA-16-124855
R-66	819.4	02/29/16	WG	Specific Conductance	196	µS/cm	CALA-16-110555
R-66	819.4	09/14/15	WG	Specific Conductance	192	µS/cm	CALA-15-103991
R-66	819.4	03/11/15	WG	Specific Conductance	203	µS/cm	CALA-15-92868
R-66	819.4	12/03/14	WG	Specific Conductance	193	µS/cm	CALA-15-90560
R-66	819.4	09/03/14	WG	Specific Conductance	193	µS/cm	CALA-14-86016
R-66	819.4	08/30/16	WG	Temperature	23.8	deg C	CALA-16-124855
R-66	819.4	02/29/16	WG	Temperature	23	deg C	CALA-16-110555
R-66	819.4	09/14/15	WG	Temperature	24.17	deg C	CALA-15-103991
R-66	819.4	03/11/15	WG	Temperature	23.84	deg C	CALA-15-92868
R-66	819.4	12/03/14	WG	Temperature	23.77	deg C	CALA-15-90560
R-66	819.4	09/03/14	WG	Temperature	24.56	deg C	CALA-14-86016
R-66	819.4	08/30/16	WG	Turbidity	0.42	NTU	CALA-16-124855
R-66	819.4	02/29/16	WG	Turbidity	0.5	NTU	CALA-16-110555
R-66	819.4	09/14/15	WG	Turbidity	0	NTU	CALA-15-103991
R-66	819.4	03/11/15	WG	Turbidity	1.43	NTU	CALA-15-92868
R-66	819.4	12/03/14	WG	Turbidity	0.6	NTU	CALA-15-90560

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-66	819.4	09/03/14	WG	Turbidity	0.6	NTU	CALA-14-86016
R-6i	602	08/23/16	WG	Dissolved Oxygen	7.3	mg/L	CALA-16-124856
R-6i	602	09/10/15	WG	Dissolved Oxygen	7.24	mg/L	CALA-15-103992
R-6i	602	09/04/14	WG	Dissolved Oxygen	6.94	mg/L	CALA-14-86017
R-6i	602	08/12/13	WG	Dissolved Oxygen	7.18	mg/L	CALA-13-39195
R-6i	602	08/27/12	WG	Dissolved Oxygen	7.31	mg/L	CALA-12-22822
R-6i	602	08/23/16	WG	Flow (in gpm)	3.9	gpm	CALA-16-124856
R-6i	602	09/10/15	WG	Flow (in gpm)	4.2	gpm	CALA-15-103992
R-6i	602	09/04/14	WG	Flow (in gpm)	4.1	gpm	CALA-14-86017
R-6i	602	03/17/11	WG	Flow (in gpm)	3.7	gpm	CALA-11-5165
R-6i	602	08/19/10	WG	Flow (in gpm)	4.3	gpm	CALA-10-25228
R-6i	602	08/23/16	WG	Oxidation-Reduction Potential	123.8	mV	CALA-16-124856
R-6i	602	09/10/15	WG	Oxidation-Reduction Potential	125.6	mV	CALA-15-103992
R-6i	602	09/04/14	WG	Oxidation-Reduction Potential	100.1	mV	CALA-14-86017
R-6i	602	08/12/13	WG	Oxidation-Reduction Potential	125.6	mV	CALA-13-39195
R-6i	602	08/27/12	WG	Oxidation-Reduction Potential	93.2	mV	CALA-12-22822
R-6i	602	08/23/16	WG	pH	7.47	SU	CALA-16-124856
R-6i	602	09/10/15	WG	pH	7.32	SU	CALA-15-103992
R-6i	602	09/04/14	WG	pH	7.53	SU	CALA-14-86017
R-6i	602	08/12/13	WG	pH	7.43	SU	CALA-13-39195
R-6i	602	08/27/12	WG	pH	7.31	SU	CALA-12-22822
R-6i	602	08/23/16	WG	Specific Conductance	232.5	µS/cm	CALA-16-124856
R-6i	602	09/10/15	WG	Specific Conductance	237	µS/cm	CALA-15-103992
R-6i	602	09/04/14	WG	Specific Conductance	241	µS/cm	CALA-14-86017
R-6i	602	08/12/13	WG	Specific Conductance	243	µS/cm	CALA-13-39195
R-6i	602	08/27/12	WG	Specific Conductance	240	µS/cm	CALA-12-22822
R-6i	602	08/23/16	WG	Temperature	17.8	deg C	CALA-16-124856
R-6i	602	09/10/15	WG	Temperature	18.17	deg C	CALA-15-103992
R-6i	602	09/04/14	WG	Temperature	17.78	deg C	CALA-14-86017
R-6i	602	08/12/13	WG	Temperature	17.72	deg C	CALA-13-39195
R-6i	602	08/27/12	WG	Temperature	17.31	deg C	CALA-12-22822
R-6i	602	08/23/16	WG	Turbidity	0.3	NTU	CALA-16-124856
R-6i	602	09/10/15	WG	Turbidity	0.2	NTU	CALA-15-103992
R-6i	602	09/04/14	WG	Turbidity	1.02	NTU	CALA-14-86017
R-6i	602	08/12/13	WG	Turbidity	0.8	NTU	CALA-13-39195
R-6i	602	08/27/12	WG	Turbidity	0.51	NTU	CALA-12-22822
R-8 S1	705.31	08/31/16	WG	Dissolved Oxygen	5.12	mg/L	CALA-16-124857
R-8 S1	705.31	09/24/15	WG	Dissolved Oxygen	5.03	mg/L	CALA-15-103993
R-8 S1	705.31	08/12/13	WG	Dissolved Oxygen	7.23	mg/L	CALA-13-39196

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-8 S1	705.31	09/04/12	WG	Dissolved Oxygen	6.3	mg/L	CALA-12-22895
R-8 S1	705.31	03/16/11	WG	Dissolved Oxygen	4.07	mg/L	CALA-11-5178
R-8 S1	705.31	08/31/16	WG	pH	8.42	SU	CALA-16-124857
R-8 S1	705.31	09/24/15	WG	pH	8.34	SU	CALA-15-103993
R-8 S1	705.31	08/12/13	WG	pH	8.34	SU	CALA-13-39196
R-8 S1	705.31	09/04/12	WG	pH	8.09	SU	CALA-12-22895
R-8 S1	705.31	03/16/11	WG	pH	8.42	SU	CALA-11-5178
R-8 S1	705.31	08/31/16	WG	Specific Conductance	149.1	µS/cm	CALA-16-124857
R-8 S1	705.31	09/24/15	WG	Specific Conductance	150	µS/cm	CALA-15-103993
R-8 S1	705.31	08/12/13	WG	Specific Conductance	158	µS/cm	CALA-13-39196
R-8 S1	705.31	09/04/12	WG	Specific Conductance	150	µS/cm	CALA-12-22895
R-8 S1	705.31	03/16/11	WG	Specific Conductance	168	µS/cm	CALA-11-5178
R-8 S1	705.31	08/31/16	WG	Temperature	22.3	deg C	CALA-16-124857
R-8 S1	705.31	09/24/15	WG	Temperature	21.89	deg C	CALA-15-103993
R-8 S1	705.31	08/12/13	WG	Temperature	20.79	deg C	CALA-13-39196
R-8 S1	705.31	09/04/12	WG	Temperature	23.05	deg C	CALA-12-22895
R-8 S1	705.31	03/16/11	WG	Temperature	20.74	deg C	CALA-11-5178
R-8 S1	705.31	08/31/16	WG	Turbidity	0	NTU	CALA-16-124857
R-8 S1	705.31	09/24/15	WG	Turbidity	4	NTU	CALA-15-103993
R-8 S1	705.31	08/12/13	WG	Turbidity	4.1	NTU	CALA-13-39196
R-8 S1	705.31	09/04/12	WG	Turbidity	0.68	NTU	CALA-12-22895
R-8 S1	705.31	03/16/11	WG	Turbidity	4.1	NTU	CALA-11-5178
R-8 S2	821	09/01/16	WG	Dissolved Oxygen	5.53	mg/L	CALA-16-124858
R-8 S2	821	09/25/15	WG	Dissolved Oxygen	5.23	mg/L	CALA-15-103994
R-8 S2	821	08/12/13	WG	Dissolved Oxygen	6.78	mg/L	CALA-13-39197
R-8 S2	821	09/05/12	WG	Dissolved Oxygen	4.81	mg/L	CALA-12-22896
R-8 S2	821	03/16/11	WG	Dissolved Oxygen	5.6	mg/L	CALA-11-5183
R-8 S2	821	09/01/16	WG	pH	8.85	SU	CALA-16-124858
R-8 S2	821	09/25/15	WG	pH	8.55	SU	CALA-15-103994
R-8 S2	821	08/12/13	WG	pH	8.68	SU	CALA-13-39197
R-8 S2	821	09/05/12	WG	pH	8.76	SU	CALA-12-22896
R-8 S2	821	03/16/11	WG	pH	8.82	SU	CALA-11-5183
R-8 S2	821	09/01/16	WG	Specific Conductance	174.1	µS/cm	CALA-16-124858
R-8 S2	821	09/25/15	WG	Specific Conductance	205	µS/cm	CALA-15-103994
R-8 S2	821	08/12/13	WG	Specific Conductance	202	µS/cm	CALA-13-39197
R-8 S2	821	09/05/12	WG	Specific Conductance	186	µS/cm	CALA-12-22896
R-8 S2	821	03/16/11	WG	Specific Conductance	200	µS/cm	CALA-11-5183
R-8 S2	821	09/01/16	WG	Temperature	22.9	deg C	CALA-16-124858
R-8 S2	821	09/25/15	WG	Temperature	22.9	deg C	CALA-15-103994

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-8 S2	821	08/12/13	WG	Temperature	22.01	deg C	CALA-13-39197
R-8 S2	821	09/05/12	WG	Temperature	21.62	deg C	CALA-12-22896
R-8 S2	821	03/16/11	WG	Temperature	21.93	deg C	CALA-11-5183
R-8 S2	821	09/01/16	WG	Turbidity	0.6	NTU	CALA-16-124858
R-8 S2	821	09/25/15	WG	Turbidity	3.2	NTU	CALA-15-103994
R-8 S2	821	08/12/13	WG	Turbidity	3.2	NTU	CALA-13-39197
R-8 S2	821	09/05/12	WG	Turbidity	0.84	NTU	CALA-12-22896
R-8 S2	821	03/16/11	WG	Turbidity	2.7	NTU	CALA-11-5183
R-9	683	08/25/16	WG	Dissolved Oxygen	5.67	mg/L	CALA-16-124859
R-9	683	09/16/15	WG	Dissolved Oxygen	5.94	mg/L	CALA-15-103995
R-9	683	09/05/14	WG	Dissolved Oxygen	5.69	mg/L	CALA-14-86018
R-9	683	08/06/13	WG	Dissolved Oxygen	5.62	mg/L	CALA-13-39198
R-9	683	09/06/12	WG	Dissolved Oxygen	5.62	mg/L	CALA-12-22897
R-9	683	08/25/16	WG	Flow (in gpm)	10	gpm	CALA-16-124859
R-9	683	09/16/15	WG	Flow (in gpm)	9.6	gpm	CALA-15-103995
R-9	683	09/05/14	WG	Flow (in gpm)	10	gpm	CALA-14-86018
R-9	683	03/07/11	WG	Flow (in gpm)	9.8	gpm	CALA-11-5175
R-9	683	03/07/11	WG	Flow (in gpm)	9.8	gpm	CALA-11-5176
R-9	683	07/13/09	WG	Flow (in gpm)	11	gpm	CALA-09-11165
R-9	683	08/25/16	WG	Oxidation-Reduction Potential	161.8	mV	CALA-16-124859
R-9	683	09/16/15	WG	Oxidation-Reduction Potential	128.7	mV	CALA-15-103995
R-9	683	09/05/14	WG	Oxidation-Reduction Potential	149.3	mV	CALA-14-86018
R-9	683	08/06/13	WG	Oxidation-Reduction Potential	158.9	mV	CALA-13-39198
R-9	683	09/06/12	WG	Oxidation-Reduction Potential	204.9	mV	CALA-12-22897
R-9	683	08/25/16	WG	pH	8.09	SU	CALA-16-124859
R-9	683	09/16/15	WG	pH	8.03	SU	CALA-15-103995
R-9	683	09/05/14	WG	pH	8.1	SU	CALA-14-86018
R-9	683	08/06/13	WG	pH	8.05	SU	CALA-13-39198
R-9	683	09/06/12	WG	pH	8.06	SU	CALA-12-22897
R-9	683	08/25/16	WG	Specific Conductance	253.5	µS/cm	CALA-16-124859
R-9	683	09/16/15	WG	Specific Conductance	253	µS/cm	CALA-15-103995
R-9	683	09/05/14	WG	Specific Conductance	256	µS/cm	CALA-14-86018
R-9	683	08/06/13	WG	Specific Conductance	257	µS/cm	CALA-13-39198
R-9	683	09/06/12	WG	Specific Conductance	254	µS/cm	CALA-12-22897
R-9	683	08/25/16	WG	Temperature	22.5	deg C	CALA-16-124859
R-9	683	09/16/15	WG	Temperature	22.67	deg C	CALA-15-103995
R-9	683	09/05/14	WG	Temperature	22.74	deg C	CALA-14-86018
R-9	683	08/06/13	WG	Temperature	22.73	deg C	CALA-13-39198
R-9	683	09/06/12	WG	Temperature	22.19	deg C	CALA-12-22897

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-9	683	08/25/16	WG	Turbidity	0.39	NTU	CALA-16-124859
R-9	683	09/16/15	WG	Turbidity	1.28	NTU	CALA-15-103995
R-9	683	09/05/14	WG	Turbidity	0.35	NTU	CALA-14-86018
R-9	683	08/06/13	WG	Turbidity	0.4	NTU	CALA-13-39198
R-9	683	09/06/12	WG	Turbidity	0.48	NTU	CALA-12-22897
R-9i S1	189.1	09/07/16	WG	Dissolved Oxygen	6.91	mg/L	CALA-16-124860
R-9i S1	189.1	09/21/15	WG	Dissolved Oxygen	6.91	mg/L	CALA-15-103996
R-9i S1	189.1	08/08/13	WG	Dissolved Oxygen	5.51	mg/L	CALA-13-39217
R-9i S1	189.1	09/06/12	WG	Dissolved Oxygen	4.82	mg/L	CALA-12-22898
R-9i S1	189.1	03/17/11	WG	Dissolved Oxygen	4.49	mg/L	CALA-11-5106
R-9i S1	189.1	09/07/16	WG	pH	7.49	SU	CALA-16-124860
R-9i S1	189.1	09/21/15	WG	pH	7.74	SU	CALA-15-103996
R-9i S1	189.1	08/08/13	WG	pH	7.63	SU	CALA-13-39217
R-9i S1	189.1	09/06/12	WG	pH	7.18	SU	CALA-12-22898
R-9i S1	189.1	03/17/11	WG	pH	7.75	SU	CALA-11-5106
R-9i S1	189.1	09/07/16	WG	Specific Conductance	321.7	µS/cm	CALA-16-124860
R-9i S1	189.1	09/21/15	WG	Specific Conductance	334	µS/cm	CALA-15-103996
R-9i S1	189.1	08/08/13	WG	Specific Conductance	317	µS/cm	CALA-13-39217
R-9i S1	189.1	09/06/12	WG	Specific Conductance	328	µS/cm	CALA-12-22898
R-9i S1	189.1	03/17/11	WG	Specific Conductance	327	µS/cm	CALA-11-5106
R-9i S1	189.1	09/07/16	WG	Temperature	13.9	deg C	CALA-16-124860
R-9i S1	189.1	09/21/15	WG	Temperature	14.18	deg C	CALA-15-103996
R-9i S1	189.1	08/08/13	WG	Temperature	15.35	deg C	CALA-13-39217
R-9i S1	189.1	09/06/12	WG	Temperature	17.46	deg C	CALA-12-22898
R-9i S1	189.1	03/17/11	WG	Temperature	16.15	deg C	CALA-11-5106
R-9i S1	189.1	09/07/16	WG	Turbidity	0.5	NTU	CALA-16-124860
R-9i S1	189.1	09/21/15	WG	Turbidity	4.7	NTU	CALA-15-103996
R-9i S1	189.1	08/08/13	WG	Turbidity	4.9	NTU	CALA-13-39217
R-9i S1	189.1	09/06/12	WG	Turbidity	3.02	NTU	CALA-12-22898
R-9i S1	189.1	03/17/11	WG	Turbidity	3.7	NTU	CALA-11-5106
TA-53i	600	08/22/16	WG	Dissolved Oxygen	7.9	mg/L	CALA-16-124861
TA-53i	600	09/08/15	WG	Dissolved Oxygen	7.6	mg/L	CALA-15-103997
TA-53i	600	09/10/14	WG	Dissolved Oxygen	7.44	mg/L	CALA-14-86019
TA-53i	600	08/09/13	WG	Dissolved Oxygen	7.81	mg/L	CALA-13-39201
TA-53i	600	08/27/12	WG	Dissolved Oxygen	7.92	mg/L	CALA-12-22823
TA-53i	600	08/22/16	WG	Flow (in gpm)	3.06	gpm	CALA-16-124861
TA-53i	600	09/08/15	WG	Flow (in gpm)	3.26	gpm	CALA-15-103997
TA-53i	600	09/10/14	WG	Flow (in gpm)	2.94	gpm	CALA-14-86019
TA-53i	600	03/18/11	WG	Flow (in gpm)	2.75	gpm	CALA-11-5168

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
TA-53i	600	08/25/10	WG	Flow (in gpm)	2.4	gpm	CALA-10-25207
TA-53i	600	08/22/16	WG	Oxidation-Reduction Potential	102.5	mV	CALA-16-124861
TA-53i	600	09/08/15	WG	Oxidation-Reduction Potential	7.9	mV	CALA-15-103997
TA-53i	600	09/10/14	WG	Oxidation-Reduction Potential	52.7	mV	CALA-14-86019
TA-53i	600	08/09/13	WG	Oxidation-Reduction Potential	45.1	mV	CALA-13-39201
TA-53i	600	08/27/12	WG	Oxidation-Reduction Potential	-65.2	mV	CALA-12-22823
TA-53i	600	08/22/16	WG	pH	6.93	SU	CALA-16-124861
TA-53i	600	09/08/15	WG	pH	6.77	SU	CALA-15-103997
TA-53i	600	09/10/14	WG	pH	7.12	SU	CALA-14-86019
TA-53i	600	08/09/13	WG	pH	6.92	SU	CALA-13-39201
TA-53i	600	08/27/12	WG	pH	9.3	SU	CALA-12-22823
TA-53i	600	08/22/16	WG	Specific Conductance	382.1	µS/cm	CALA-16-124861
TA-53i	600	09/08/15	WG	Specific Conductance	371	µS/cm	CALA-15-103997
TA-53i	600	09/10/14	WG	Specific Conductance	369	µS/cm	CALA-14-86019
TA-53i	600	08/09/13	WG	Specific Conductance	364	µS/cm	CALA-13-39201
TA-53i	600	08/27/12	WG	Specific Conductance	326	µS/cm	CALA-12-22823
TA-53i	600	08/22/16	WG	Temperature	15.2	deg C	CALA-16-124861
TA-53i	600	09/08/15	WG	Temperature	15.77	deg C	CALA-15-103997
TA-53i	600	09/10/14	WG	Temperature	16	deg C	CALA-14-86019
TA-53i	600	08/09/13	WG	Temperature	15.64	deg C	CALA-13-39201
TA-53i	600	08/27/12	WG	Temperature	15.86	deg C	CALA-12-22823
TA-53i	600	08/22/16	WG	Turbidity	0.6	NTU	CALA-16-124861
TA-53i	600	09/08/15	WG	Turbidity	3.1	NTU	CALA-15-103997
TA-53i	600	09/10/14	WG	Turbidity	2.5	NTU	CALA-14-86019
TA-53i	600	08/09/13	WG	Turbidity	4.9	NTU	CALA-13-39201
TA-53i	600	08/27/12	WG	Turbidity	2.04	NTU	CALA-12-22823

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] NTU = Nephelometric turbidity unit.

[d] gpm = Gallons per minute.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	316	09/08/16	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	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	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	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	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	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	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-	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.21	—	—	0.01	SU	Y	H	J-	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	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-	10-1172	CALA-10-9162	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.09	—	—	0.725	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.73	mg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50	—	—	1.45	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	33.4	—	—	0.725	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	38.8	—	—	0.725	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	52.4	—	—	0.73	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48.2	—	—	0.73	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	46.2	—	—	0.73	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	81.2	—	—	68	µg/L	Y	J	J	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	128	—	—	68	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	Y	1.45	0.124	0.164	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00659	0.0369	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00295	0.0042	0.024	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000782	0.0025	0.052	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.0015	0.024	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.105	—	—	0.017	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0617	—	—	0.017	mg/L	Y	—	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.122	—	—	0.016	mg/L	Y	—	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-4270	CALA-10-25198	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.53	—	—	1.7	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	3.23	—	—	1.7	µg/L	Y	J	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	7.71	—	—	1	µg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	4.63	—	—	1	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	7.11	—	—	1	µg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	28.5	—	—	1	µg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.2	—	—	1	µg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	23.5	—	—	1	µg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	7.84	—	—	0.05	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	5.34	—	—	0.05	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	4.87	—	—	0.05	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.12	1.45	4.9	—	pCi/L	Y	U	U	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.62	1.79	6.75	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.167	2.7	5.2	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.63	1.8	6.1	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.101	1.3	4.2	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.04	—	—	0.067	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.74	—	—	0.067	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.84	—	—	0.067	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.15	—	—	0.066	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	30.7	—	—	0.33	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32	—	—	0.33	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.31	—	—	2	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	7.51	—	—	2	µg/L	Y	J	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.29	—	—	2	µg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.15	—	—	2.5	µg/L	Y	J	J	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	14.9	—	—	2.5	µg/L	Y	—	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.832	0.392	2.32	—	pCi/L	Y	U	U	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.29	1.69	6.77	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.1	1.6	4.8	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.728	1.3	4.1	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1	1.3	4.4	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.28	—	—	0.033	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.142	—	—	0.033	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.255	—	—	0.033	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.347	—	—	0.033	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	11.6	1.76	2.91	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.582	0.612	2.37	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.23	0.83	2.6	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.114	0.51	2.6	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	07/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.93	0.91	2.5	—	pCi/L	Y	U	U	09-2659	CALA-09-11129	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	13.2	1.01	2.36	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.68	0.949	2.92	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.1	1	2.2	—	pCi/L	Y	—	NQ	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.5	1.3	3	—	pCi/L	Y	—	NQ	10-4270	CALA-10-24991	GELC
LADP-3	316	07/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.91	1.1	2.1	—	pCi/L	Y	—	NQ	09-2659	CALA-09-11129	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	28	—	—	0.453	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	17.9	—	—	0.453	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	18.4	—	—	0.453	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.5	—	—	0.45	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	—	—	0.35	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.9	—	—	0.35	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	96.8	—	—	30	µg/L	Y	J	J	2016-2411	CALA-16-124862	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	223	—	—	30	µg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	44.5	—	—	30	µg/L	Y	J	J	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	0.552	—	—	0.5	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	1.62	—	—	0.5	µg/L	Y	J	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	µg/L	Y	U	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	µg/L	Y	U	U	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	2	—	—	0.5	µg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.05	—	—	0.11	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.11	—	—	0.11	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.52	—	—	0.11	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.79	—	—	0.11	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.85	—	—	0.085	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.06	—	—	0.085	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.19	—	—	2	µg/L	Y	J	J	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.31	—	—	2	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	2.01	—	—	2	µg/L	Y	J	J	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.3	µg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	4.7	—	—	0.165	µg/L	Y	—	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.7	—	—	0.165	µg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.99	—	—	0.17	µg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.35	—	—	0.1	µg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.83	—	—	0.1	µg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.29	2.03	6.2	—	pCi/L	Y	U	U	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.74	3.55	12.7	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.41	2.4	7.7	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.67	2	7	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.29	11	36	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.608	—	—	0.5	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.7	—	—	0.5	µg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.518	—	—	0.5	µg/L	Y	J	J	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.177	—	—	0.017	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.182	—	—	0.017	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.103	—	—	0.017	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.198	—	—	0.05	mg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.194	—	—	0.05	mg/L	Y	J	J	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.183	—	—	0.05	mg/L	Y	J	J	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.135	—	—	0.05	µg/L	Y	J	J	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.147	—	—	0.05	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.127	—	—	0.05	µg/L	Y	J	J	12-1524	CALA-12-22824	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	316	03/07/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.141	—	—	0.05	µg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.137	—	—	0.05	µg/L	Y	J	J	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.161	—	—	0.05	µg/L	Y	J	J	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	Y	0.217	0.0457	0.147	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00324	0.00562	0.0218	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0104	0.0051	0.026	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00491	0.01	0.022	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0017	0.023	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	Y	0.792	0.0837	0.184	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.013	0.00795	0.0391	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0104	0.0051	0.039	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00491	0.006	0.036	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00335	0.0034	0.024	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.96	—	—	0.05	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.32	—	—	0.05	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.59	—	—	0.05	mg/L	Y	E	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.92	—	—	0.05	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.73	—	—	0.05	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.73	—	—	0.05	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	46.5	20.2	32.2	—	pCi/L	Y	UI	R	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	37.5	22.2	91.3	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.6	21	78	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.7	15	50	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.9	17	59	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	57	—	—	0.053	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.9	—	—	0.053	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.6	—	—	0.053	mg/L	Y	—	J+	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.2	—	—	0.053	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	58.2	—	—	0.053	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	58.6	—	—	0.053	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.29	—	—	0.1	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	28.1	—	—	0.1	mg/L	Y	—	J+	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.3	—	—	0.1	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.3	—	—	0.1	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.371	0.96	3.45	—	pCi/L	Y	U	U	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.37	1.44	4.7	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.42	1.8	6.3	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.73	1.4	3.8	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.8	1.2	3.7	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	3.63	µS/cm	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	79.4	—	—	3.63	µS/cm	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	97.3	—	—	1	µS/cm	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	269	—	—	1	µS/cm	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	227	—	—	1	µS/cm	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	243	—	—	1	µS/cm	Y	—	NQ	10-1172	CALA-10-9162	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.4	—	—	1	µg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	29.3	—	—	1	µg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	33.3	—	—	1	µg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	115	—	—	1	µg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	87.9	—	—	1	µg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.2	—	—	1	µg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0549	0.136	0.485	—	pCi/L	Y	U	U	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0733	0.0678	0.238	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.113	0.14	0.52	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00275	0.13	0.46	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.253	0.12	0.37	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.44	—	—	0.133	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.68	—	—	0.133	mg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.8	—	—	0.133	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	—	—	0.1	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.3	—	—	0.1	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7	—	—	0.1	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	—	3.4	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	101	—	—	3.4	mg/L	Y	—	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	85.7	—	—	3.4	mg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	2.4	mg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	2.4	mg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	178	—	—	2.4	mg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	03/02/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.298	—	—	0.033	mg/L	Y	—	NQ	2016-841	CALA-16-110552	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.101	—	—	0.033	mg/L	Y	—	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	10-1171	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.86	—	—	0.33	mg/L	Y	J	J	2016-2411	CALA-16-124846	GELC
LADP-3	316	03/02/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.36	—	—	0.33	mg/L	Y	—	NQ	2016-841	CALA-16-110552	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.879	—	—	0.33	mg/L	Y	J	J	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.968	—	—	0.33	mg/L	Y	J	J	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.34	—	—	0.33	mg/L	Y	—	NQ	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.34	—	—	0.33	mg/L	Y	—	NQ	10-1171	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.114	—	—	0.02	mg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0373	—	—	0.017	mg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0892	—	—	0.017	mg/L	Y	—	U	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.036	—	—	0.015	mg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.082	—	—	0.015	mg/L	Y	—	U	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.067	—	—	0.015	mg/L	Y	—	U	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	40.795	6.238	2.087	—	pCi/L	Y	—	J-	2016-2485	CALA-16-124846	ARSL
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	17.268	2.756	2.193	—	pCi/L	Y	—	J-	12-1531	CALA-12-22815	ARSL
LADP-3	316	03/07/11	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	77.6986	11.753	2.254	—	pCi/L	Y	—	NQ	11-1582	CALA-11-5094	ARSL
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	78.9866	11.9462	2.254	—	pCi/L	N	—	R	11-1582	CALA-11-5094	ARSL
LADP-3	316	08/20/10	WG	UF	RE	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	69.1334	10.4328	1.7388	—	pCi/L	Y	—	NQ	10-4338	CALA-10-24991	ARSL
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	71.9348	10.8514	1.7388	—	pCi/L	N	—	R	10-4338	CALA-10-24991	ARSL
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	85.974	2.898	0.2898	—	pCi/L	Y	—	NQ	10-1190	CALA-10-9163	UMTL

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.946	—	—	0.067	µg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.66	—	—	0.067	µg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.476	—	—	0.067	µg/L	Y	—	NQ	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.842	—	—	0.067	µg/L	Y	—	NQ	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.748	—	—	0.05	µg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.605	—	—	0.05	µg/L	Y	—	NQ	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	3.73	0.186	0.337	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.135	0.024	0.0849	—	pCi/L	Y	—	J	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.305	0.032	0.042	—	pCi/L	Y	—	NQ	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.143	0.026	0.094	—	pCi/L	Y	—	NQ	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.229	0.031	0.081	—	pCi/L	Y	—	NQ	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.269	0.0614	0.323	—	pCi/L	Y	U	U	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0157	0.0111	0.0548	—	pCi/L	Y	U	U	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	0.0073	0.027	—	pCi/L	Y	U	U	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.012	0.007	0.044	—	pCi/L	Y	U	U	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00717	0.0072	0.046	—	pCi/L	Y	U	U	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.29	0.174	0.337	—	pCi/L	Y	—	NQ	2016-2411	CALA-16-124846	GELC
LADP-3	316	08/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.134	0.0234	0.0431	—	pCi/L	Y	—	J	12-1524	CALA-12-22815	GELC
LADP-3	316	03/07/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.263	0.029	0.028	—	pCi/L	Y	—	NQ	11-1543	CALA-11-5094	GELC
LADP-3	316	08/20/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.223	0.031	0.057	—	pCi/L	Y	—	NQ	10-4270	CALA-10-24991	GELC
LADP-3	316	01/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.197	0.028	0.053	—	pCi/L	Y	—	NQ	10-1172	CALA-10-9163	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.15	—	—	1	µg/L	Y	J	J	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.81	—	—	1	µg/L	Y	J	J	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.97	—	—	1	µg/L	Y	J	J	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.69	—	—	1	µg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.56	—	—	1	µg/L	Y	J	J	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.93	—	—	1	µg/L	Y	J	J	10-1172	CALA-10-9162	GELC
LADP-3	316	09/08/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.2	—	—	3.3	µg/L	Y	—	NQ	2016-2411	CALA-16-124862	GELC
LADP-3	316	03/02/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	18.5	—	—	3.3	µg/L	Y	—	NQ	2016-841	CALA-16-110556	GELC
LADP-3	316	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.59	—	—	3.3	µg/L	Y	J	J	12-1524	CALA-12-22824	GELC
LADP-3	316	03/07/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.96	—	—	3.3	µg/L	Y	J	J	11-1543	CALA-11-5095	GELC
LADP-3	316	08/20/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14	—	—	3.3	µg/L	Y	—	NQ	10-4270	CALA-10-25198	GELC
LADP-3	316	01/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-1172	CALA-10-9162	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.36	—	—	0.01	SU	Y	H	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.24	—	—	0.01	SU	Y	H	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	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	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	—	0.01	SU	Y	H	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.07	—	—	0.01	SU	Y	H	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48.2	—	—	1.45	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	45.4	—	—	0.725	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	N	1	—	—	0.725	mg/L	Y	U	U	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	40.4	—	—	0.725	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	43.5	—	—	0.725	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	5.19E-09	0.0194	0.0852	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0023	0.00689	0.0369	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0131	0.0146	0.042	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00988	0.00699	0.0207	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00584	0.00826	0.0403	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	169	—	—	1	µg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	11.2	—	—	1	µg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	8.75	—	—	1	µg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	8.68	—	—	1	µg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	9.31	—	—	1	µg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	38.3	—	—	15	µg/L	Y	J	J	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.5	—	—	0.05	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.68	—	—	0.05	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.53	—	—	0.05	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	6.59	—	—	0.05	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	6.55	—	—	0.05	mg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.314	0.827	3.13	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.194	1.78	6.36	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.354	1.3	4.44	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.83	1.62	5.05	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.53	1.61	6.25	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.26	—	—	0.067	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.39	—	—	0.067	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.21	—	—	0.067	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.22	—	—	0.067	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.18	—	—	0.067	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	1.13	—	—	1	µg/L	Y	J	J	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.549	0.676	2.96	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.6	2.2	7.85	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.09	1.36	5.45	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.61	1.69	6.86	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.24	1.72	6.94	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0713	—	—	0.033	mg/L	Y	J	J	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.121	—	—	0.033	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0683	—	—	0.033	mg/L	Y	J	J	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.125	—	—	0.033	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.12	—	—	0.033	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	11.9	0.883	1.89	—	pCi/L	Y	—	NQ	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.49	1.15	2.86	—	pCi/L	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	20.2	2.02	2.97	—	pCi/L	Y	—	NQ	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.38	0.71	1.78	—	pCi/L	Y	—	J	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.62	1.4	1.94	—	pCi/L	Y	—	NQ	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.75	1.19	2.55	—	pCi/L	Y	—	NQ	2016-2199	CALA-16-124847	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.24	0.479	1.16	—	pCi/L	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	17.2	0.686	1.38	—	pCi/L	Y	—	NQ	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.95	1.24	2.58	—	pCi/L	Y	—	J	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.51	0.967	2.18	—	pCi/L	Y	—	NQ	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.8	—	—	0.453	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	23.9	—	—	0.453	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24	—	—	0.453	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.1	—	—	0.453	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	23.8	—	—	0.45	mg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	—	—	0.11	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.76	—	—	0.11	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.86	—	—	0.11	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.86	—	—	0.11	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.81	—	—	0.11	mg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.43	—	—	0.165	µg/L	Y	—	J	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.67	—	—	0.165	µg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.36	—	—	0.165	µg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.165	µg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.65	—	—	0.17	µg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.28	1.81	5.58	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.338	3.9	13.5	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.608	2.58	9.17	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.7	2.91	10.4	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.998	3.5	12.1	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.529	—	—	0.017	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.534	—	—	0.017	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	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	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.425	—	—	0.017	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.434	—	—	0.017	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.307	—	—	0.05	µg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	—	0.05	µg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.254	—	—	0.05	µg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.257	—	—	0.05	µg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.241	—	—	0.05	µg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00411	0.0207	0.0794	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00431	0.00681	0.0432	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00721	0.00636	0.0329	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0162	0.00786	0.025	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00325	0.00562	0.0327	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.000304	0.0204	0.1	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0258	0.011	0.0385	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00961	0.00961	0.0404	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0222	0.0124	0.0377	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00325	0.00562	0.0384	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.69	—	—	0.05	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8	—	—	0.05	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.17	—	—	0.05	mg/L	Y	E	NQ	2014-4465	CALA-14-86021	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.42	—	—	0.05	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.4	—	—	0.05	mg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.6	11	36.9	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.73	27.9	108	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28.8	19.9	44.6	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.7	20.5	62.2	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.89	22	85.8	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.2	—	—	0.053	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.7	—	—	0.053	mg/L	Y	—	J-	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.3	—	—	0.053	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.84	—	—	0.1	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.65	—	—	0.1	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	8.29	—	—	0.1	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	8.27	—	—	0.1	mg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.322	0.687	2.66	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.584	1.96	6.53	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.529	1.2	4.76	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.791	1.36	5.57	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.5	1.43	4.94	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104	—	—	3.63	µS/cm	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	105	—	—	1	µS/cm	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	86.9	—	—	3.63	µS/cm	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	97.5	—	—	1	µS/cm	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	99.7	—	—	1	µS/cm	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	183	—	—	1	µg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	84.9	—	—	1	µg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	37.1	—	—	1	µg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	65	—	—	1	µg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	39.5	—	—	1	µg/L	Y	—	NQ	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0776	0.198	0.673	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.111	0.132	0.474	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.241	0.148	0.49	—	pCi/L	Y	U	U	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0422	0.131	0.477	—	pCi/L	Y	U	U	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0657	0.115	0.387	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.64	—	—	0.133	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.39	—	—	0.133	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.05	—	—	0.133	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	—	0.133	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.15	—	—	0.133	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	98.6	—	—	3.4	mg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	70	—	—	3.4	mg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	94.3	—	—	3.4	mg/L	Y	—	NQ	2013-1668	CALA-13-39203	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	84.3	—	—	3.4	mg/L	Y	—	NQ	12-1533	CALA-12-22825	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.749	0.659	2.265	—	pCi/L	Y	U	U	2016-2324	CALA-16-124847	ARSL
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.583	0.7	2.324	—	pCi/L	Y	U	U	2015-2347	CALA-15-103977	ARSL
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.073	0.678	2.31	—	pCi/L	Y	U	U	2014-4466	CALA-14-86010	ARSL
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.159	0.567	1.754	—	pCi/L	Y	U	U	2013-1707	CALA-13-39185	ARSL
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.852	0.646	2.094	—	pCi/L	Y	U	U	12-1537	CALA-12-22816	ARSL
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.285	—	—	0.067	µg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.458	—	—	0.067	µg/L	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.343	—	—	0.067	µg/L	Y	—	NQ	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.17	—	—	0.067	µg/L	Y	J	J	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.164	—	—	0.067	µg/L	Y	J	J	11-1566	CALA-11-5113	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.65	0.0613	0.201	—	pCi/L	Y	—	NQ	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.0308	0.12	—	pCi/L	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.07	0.0496	0.0488	—	pCi/L	Y	—	NQ	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.12	0.0551	0.0579	—	pCi/L	Y	—	J	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.235	0.0336	0.0782	—	pCi/L	Y	—	NQ	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.147	0.0328	0.193	—	pCi/L	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0458	0.0136	0.0848	—	pCi/L	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0584	0.0139	0.0358	—	pCi/L	Y	—	NQ	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0594	0.0162	0.0355	—	pCi/L	Y	—	J	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.025	0.0147	0.0331	—	pCi/L	Y	U	U	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.748	0.065	0.201	—	pCi/L	Y	—	NQ	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.279	0.0288	0.112	—	pCi/L	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.14	0.0509	0.0283	—	pCi/L	Y	—	NQ	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	08/15/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.21	0.0572	0.0503	—	pCi/L	Y	—	J	2013-1668	CALA-13-39185	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.26	0.0298	0.039	—	pCi/L	Y	—	NQ	12-1533	CALA-12-22816	GELC
LAOI(a)-1.1	295.2	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2014-4465	CALA-14-86021	GELC
LAOI(a)-1.1	295.2	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	12-1533	CALA-12-22825	GELC
LAOI(a)-1.1	295.2	03/08/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	11-1566	CALA-11-5113	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.98	—	—	0.01	SU	Y	H	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.86	—	—	0.01	SU	Y	H	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.99	—	—	0.01	SU	Y	H	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.7	—	—	0.01	SU	Y	H	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.78	—	—	0.01	SU	Y	H	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.81	—	—	0.01	SU	Y	H	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.3	—	—	1.45	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	—	1.45	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.1	—	—	0.725	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.7	—	—	0.725	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.7	—	—	0.725	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72	—	—	0.725	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Aluminum	Al	Y	73.4	—	—	68	µg/L	Y	J	J	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2013-1635	CALA-13-39204	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00445	0.00629	0.0365	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00578	0.00639	0.0316	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.0107	0.0366	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00877	0.00969	0.0375	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00289	0.005	0.0242	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00189	0.00422	0.0341	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.2	—	—	1	µg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.8	—	—	1	µg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39	—	—	1	µg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42.4	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45	—	—	1	µg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	44.2	—	—	1	µg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.973	—	—	0.067	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.96	—	—	0.067	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.695	—	—	0.067	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.463	—	—	0.067	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.527	—	—	0.067	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.128	—	—	0.067	mg/L	Y	J	J	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.6	—	—	0.05	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.7	—	—	0.05	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.4	—	—	0.05	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.9	—	—	0.05	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.9	—	—	0.05	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.5	—	—	0.05	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.312	2.39	3.34	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.495	0.861	2.94	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0243	1.24	4.58	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.469	1.48	5.11	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.979	1.37	5.26	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.25	1.68	5.84	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.8	—	—	0.335	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.5	—	—	0.335	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	31.8	—	—	0.335	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	31.1	—	—	0.335	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.6	—	—	0.335	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.5	—	—	0.67	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.34	—	—	2	µg/L	Y	J	J	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.34	—	—	2	µg/L	Y	J	J	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.8	0.63	2.72	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.381	0.811	2.95	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.74	1.22	5.24	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.915	1.34	5.1	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.36	1.42	5.72	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.69	1.93	6.62	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0372	—	—	0.033	mg/L	Y	J	J	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0404	—	—	0.033	mg/L	Y	J	J	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0548	—	—	0.033	mg/L	Y	J	J	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0475	—	—	0.033	mg/L	Y	J	J	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0935	—	—	0.033	mg/L	Y	J	J	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.11	—	—	0.033	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.829	0.537	1.94	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.136	0.57	1.92	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.153	0.766	2.99	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.772	0.373	2.93	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.488	0.799	2.8	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.789	0.675	2.34	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	13.1	1.29	2.39	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.22	1.1	2.26	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.18	0.932	2.27	—	pCi/L	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.36	0.656	1.88	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.15	1.06	2.7	—	pCi/L	Y	—	NQ	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.89	0.972	2.31	—	pCi/L	Y	—	J	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.9	—	—	0.453	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.6	—	—	0.453	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.3	—	—	0.453	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.7	—	—	0.453	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.5	—	—	0.453	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.9	—	—	0.453	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.86	—	—	0.11	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.88	—	—	0.11	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.77	—	—	0.11	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.78	—	—	0.11	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.76	—	—	0.11	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.6	—	—	0.11	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.511	—	—	0.165	µg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.483	—	—	0.165	µg/L	Y	J	J	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.712	—	—	0.165	µg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.771	—	—	0.165	µg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.537	—	—	0.165	µg/L	Y	—	U	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.443	—	—	0.165	µg/L	Y	J	J	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.3	1.85	6.73	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.3	1.65	5.76	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.78	2.71	9.34	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.58	2.98	10.8	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.69	2.62	9.63	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.62	3.21	10.1	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.09	—	—	0.085	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.09	—	—	0.085	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.99	—	—	0.085	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.99	—	—	0.085	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	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	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.48	—	—	0.085	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.78	—	—	0.5	µg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.46	—	—	0.5	µg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.75	—	—	0.5	µg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.71	—	—	0.5	µg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.96	—	—	0.5	µg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	7.63	—	—	0.5	µg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0029	0.00616	0.0296	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0185	0.00914	0.0428	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00687	0.00606	0.0459	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00227	0.006	0.0311	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00286	0.00495	0.0256	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00769	0.00544	0.0216	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00858	0.00678	0.0374	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00623	0.00911	0.054	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00915	0.00561	0.041	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	1.13E-09	0.00641	0.0381	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00286	0.00756	0.0383	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00385	0.00608	0.0291	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.55	—	—	0.05	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	7.47	—	—	0.05	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.88	—	—	0.05	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.62	—	—	0.05	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.73	—	—	0.05	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.15	—	—	0.05	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	28.5	11.4	42.2	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.1	12.8	41.9	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.2	18.4	52.9	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.1	16.7	66.3	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.4	19.4	72.4	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.4	20	72.8	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78.3	—	—	0.053	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.7	—	—	0.1	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.9	—	—	0.1	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	—	0.1	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.8	—	—	0.1	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.3	—	—	0.1	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.9	—	—	0.1	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.07	0.87	3.62	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.517	0.984	3.42	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.4	1.28	5.55	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.15	1.17	4.83	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.42	1.6	5.36	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.74	1.57	6.61	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	280	—	—	3.63	µS/cm	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	280	—	—	3.63	µS/cm	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	261	—	—	1	µS/cm	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	243	—	—	3.63	µS/cm	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	286	—	—	1	µS/cm	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	277	—	—	1	µS/cm	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	121	—	—	1	µg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	123	—	—	1	µg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	117	—	—	1	µg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	118	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	119	—	—	1	µg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	121	—	—	1	µg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0913	0.0853	0.295	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.101	0.125	0.481	—	pCi/L	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0715	0.124	0.477	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0255	0.135	0.479	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.225	0.145	0.484	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.158	0.143	0.484	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	—	0.133	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	—	0.133	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.41	—	—	0.133	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.01	—	—	0.133	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.67	—	—	0.133	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	233	—	—	3.4	mg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	213	—	—	3.4	mg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	—	3.4	mg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	270	—	—	3.4	mg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	230	—	—	3.4	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	219	—	—	3.4	mg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.15	—	—	0.033	mg/L	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0602	—	—	0.033	mg/L	Y	J	J	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.066	—	—	0.033	mg/L	Y	J	J	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.129	—	—	0.033	mg/L	Y	—	NQ	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0685	—	—	0.033	mg/L	Y	J	J	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.615	—	—	0.33	mg/L	Y	J	J	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.655	—	—	0.33	mg/L	Y	J	J	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.643	—	—	0.33	mg/L	Y	J	J	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.829	—	—	0.33	mg/L	Y	J	J	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.12	—	—	0.33	mg/L	Y	—	NQ	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.704	—	—	0.33	mg/L	Y	J	J	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	—	—	0.02	mg/L	Y	J	J	2016-2179	CALA-16-124829	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0367	—	—	0.02	mg/L	Y	J	J	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/15	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	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.1	—	—	0.017	mg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	1740	106	197	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1580	100	192	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2060	114	171	—	pCi/L	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2090	109	151	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1820	81.5	193	—	pCi/L	Y	—	NQ	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1870	87.7	121	—	pCi/L	Y	—	NQ	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	—	0.067	µg/L	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	—	0.067	µg/L	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	—	0.067	µg/L	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.29	—	—	0.067	µg/L	Y	—	NQ	2014-4474	CALA-14-86022	GELC
LAOI-3.2	153.3	08/13/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	2013-1635	CALA-13-39204	GELC
LAOI-3.2	153.3	12/21/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.26	—	—	0.067	µg/L	Y	—	NQ	2013-436	CALA-13-24753	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.692	0.0406	0.0858	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.637	0.0398	0.0897	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.453	0.0363	0.118	—	pCi/L	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.495	0.032	0.0432	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.454	0.0321	0.0463	—	pCi/L	Y	—	J	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.408	0.0385	0.0704	—	pCi/L	Y	—	J	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0713	0.0164	0.0822	—	pCi/L	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0984	0.0176	0.0859	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.045	0.0143	0.0833	—	pCi/L	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.0092	0.0317	—	pCi/L	Y	U	U	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0237	0.00874	0.0283	—	pCi/L	Y	U	U	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00407	0.0108	0.0523	—	pCi/L	Y	U	U	2013-436	CALA-13-24752	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.531	0.0353	0.0857	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.579	0.0377	0.0896	—	pCi/L	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.479	0.037	0.11	—	pCi/L	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.416	0.0297	0.0251	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	08/13/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.369	0.0284	0.0402	—	pCi/L	Y	—	J	2013-1635	CALA-13-39186	GELC
LAOI-3.2	153.3	12/21/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.359	0.0353	0.0548	—	pCi/L	Y	—	J	2013-436	CALA-13-24752	GELC
LAOI-3.2a	181.4	08/30/16	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	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.11	—	—	0.01	SU	Y	H	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.76	—	—	0.01	SU	Y	H	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	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	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.96	—	—	0.01	SU	Y	H	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.3	—	—	1.45	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.9	—	—	0.725	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.4	—	—	0.725	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.6	—	—	0.725	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.1	—	—	0.725	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0106	0.0106	0.0581	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.016	0.00883	0.0366	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0052	0.0104	0.0333	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0043	0.00609	0.018	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00817	0.00578	0.0282	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.9	—	—	1	µg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.1	—	—	1	µg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.9	—	—	1	µg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	21.7	—	—	1	µg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(a)anthracene	56-55-3	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(a)anthracene	56-55-3	Y	0.0899	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(a)anthracene	56-55-3	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(a)anthracene	56-55-3	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(a)anthracene	56-55-3	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(a)anthracene	56-55-3	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(a)pyrene	50-32-8	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(a)pyrene	50-32-8	Y	0.0787	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(a)pyrene	50-32-8	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(a)pyrene	50-32-8	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(a)pyrene	50-32-8	N	1	—	—	0.44	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(a)pyrene	50-32-8	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	Y	0.112	—	—	0.034	µg/L	Y	—	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(b)fluoranthene	205-99-2	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(b)fluoranthene	205-99-2	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(b)fluoranthene	205-99-2	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(b)fluoranthene	205-99-2	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	Y	0.0674	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(g,h,i)perylene	191-24-2	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	Y	0.0899	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Benzo(k)fluoranthene	207-08-9	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	N	0.0255	—	—	0.008	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.729	—	—	0.067	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.664	—	—	0.067	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.64	—	—	0.067	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.552	—	—	0.067	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.558	—	—	0.067	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.7	—	—	0.05	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.3	—	—	0.05	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.7	—	—	0.05	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.6	—	—	0.05	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	25.3	—	—	0.05	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.702	1.34	5.39	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.4	1.48	5.57	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.91	1.8	6.07	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.66	1.81	5.76	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.177	1.86	7.04	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	21.5	—	—	0.335	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.4	—	—	0.335	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	22.8	—	—	0.335	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	22.8	—	—	0.335	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	21.7	—	—	0.335	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	Y	0.0674	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Chrysene	218-01-9	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Chrysene	218-01-9	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Chrysene	218-01-9	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Chrysene	218-01-9	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.668	1.34	5.75	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.696	1.38	4.95	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.279	1.55	5.85	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.63	1.63	5.64	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1	1.76	7.44	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	Y	0.0787	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Dibenz(a,h)anthracene	53-70-3	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0415	—	—	0.033	mg/L	Y	J	J	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0476	—	—	0.033	mg/L	Y	J	J	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0463	—	—	0.033	mg/L	Y	J	J	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0896	—	—	0.033	mg/L	Y	J	J	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.111	—	—	0.033	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	16.1	0.865	1.52	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.196	0.675	2.88	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.12	0.941	2.88	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.15	0.42	1.19	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.92	0.983	2.07	—	pCi/L	Y	—	J	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.96	1.3	2.67	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	13.2	0.989	1.9	—	pCi/L	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	15	0.645	1.49	—	pCi/L	Y	—	NQ	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.93	0.596	1.52	—	pCi/L	Y	—	NQ	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.1	1.37	2.99	—	pCi/L	Y	—	J	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.7	—	—	0.453	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.9	—	—	0.453	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.2	—	—	0.453	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86	—	—	0.453	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.5	—	—	0.453	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	RE	REG	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.109	—	—	0.033	µg/L	N	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.5	—	—	0.15	µg/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	Y	0.0674	—	—	0.034	µg/L	Y	J	J-	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.103	—	—	0.031	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.5	—	—	0.15	µg/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.051	—	—	0.016	µg/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	SVOC	SW-846:8270C	Indeno(1,2,3-cd)pyrene	193-39-5	N	1	—	—	0.3	µg/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	03/22/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Indeno(1,2,3-cd)pyrene	193-39-5	N	1.1	—	—	0.22	µg/L	Y	U	U	11-1724	CALA-11-5159	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.12	—	—	0.11	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.17	—	—	0.11	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.08	—	—	0.11	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.38	—	—	0.11	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.42	—	—	0.11	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.75	—	—	0.3	µg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.84	—	—	0.165	µg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.15	—	—	0.165	µg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.31	—	—	0.165	µg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.42	—	—	0.165	µg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.49	2.78	9.06	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.193	2.93	10.1	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.67	3.57	12	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.09	3.99	13.4	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.522	3.83	13.8	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.56	—	—	0.085	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.78	—	—	0.085	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.75	—	—	0.085	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.63	—	—	0.085	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.64	—	—	0.085	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.55	—	—	0.25	µg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.27	—	—	0.25	µg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.37	—	—	0.2	µg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.33	—	—	0.25	µg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.31	—	—	0.25	µg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00602	0.0432	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00239	0.00632	0.0479	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0178	0.00841	0.0407	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00397	0.00486	0.0178	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00224	0.00671	0.0226	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00982	0.00777	0.0542	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00239	0.00985	0.0428	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00594	0.0084	0.05	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00397	0.00397	0.0266	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00671	0.005	0.0264	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.99	—	—	0.05	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.94	—	—	0.05	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.9	21.8	90.9	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	47.1	15.9	52.5	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	43.6	20.4	54.8	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-27.8	20.8	69.8	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.94	24.3	101	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.1	—	—	0.053	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.3	—	—	0.053	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	—	0.053	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.2	—	—	0.053	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.9	—	—	0.053	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.732	1.55	6.43	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.28	1.71	4.75	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.03	1.72	6.81	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.526	2.19	7.27	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.678	1.69	6.5	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	247	—	—	3.63	µS/cm	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	—	1	µS/cm	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	255	—	—	3.63	µS/cm	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	267	—	—	1	µS/cm	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	268	—	—	1	µS/cm	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	153	—	—	1	µg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	151	—	—	1	µg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	152	—	—	1	µg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	158	—	—	1	µg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	152	—	—	1	µg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.16	0.0685	0.223	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.233	0.125	0.48	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.175	0.131	0.486	—	pCi/L	Y	U	U	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0353	0.139	0.477	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.124	0.137	0.478	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	—	0.133	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11	—	—	0.133	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	—	0.133	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.85	—	—	0.133	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	220	—	—	3.4	mg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	—	3.4	mg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	—	3.4	mg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.582	—	—	0.33	mg/L	Y	J	J	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.669	—	—	0.33	mg/L	Y	J	J	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.926	—	—	0.33	mg/L	Y	J	J	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.11	—	—	0.33	mg/L	Y	—	NQ	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	957	77.6	150	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1150	90.9	171	—	pCi/L	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1280	90.1	154	—	pCi/L	Y	—	NQ	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1280	74.6	191	—	pCi/L	Y	—	NQ	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1410	74	170	—	pCi/L	Y	—	NQ	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	—	0.067	µg/L	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.57	—	—	0.067	µg/L	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.49	—	—	0.067	µg/L	Y	—	NQ	2014-4487	CALA-14-86023	GELC
LAOI-3.2a	181.4	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.1	—	—	0.067	µg/L	Y	—	NQ	2013-1655	CALA-13-39205	GELC
LAOI-3.2a	181.4	09/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.9	—	—	0.067	µg/L	Y	—	NQ	12-1555	CALA-12-22827	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.663	0.0389	0.0811	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.529	0.043	0.142	—	pCi/L	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.734	0.0417	0.0498	—	pCi/L	Y	—	NQ	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.619	0.0399	0.0537	—	pCi/L	Y	—	NQ	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.655	0.0474	0.0851	—	pCi/L	Y	—	J	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.027	0.00935	0.0778	—	pCi/L	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0375	0.0138	0.1	—	pCi/L	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0482	0.0136	0.0365	—	pCi/L	Y	—	NQ	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0214	0.011	0.0329	—	pCi/L	Y	U	U	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	0.014	0.036	—	pCi/L	Y	U	U	12-1555	CALA-12-22818	GELC
LAOI-3.2a	181.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.633	0.0373	0.0811	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.526	0.0426	0.132	—	pCi/L	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.649	0.0387	0.0289	—	pCi/L	Y	—	NQ	2014-4487	CALA-14-86012	GELC
LAOI-3.2a	181.4	08/14/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.497	0.0361	0.0466	—	pCi/L	Y	—	NQ	2013-1655	CALA-13-39187	GELC
LAOI-3.2a	181.4	09/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.601	0.0441	0.0424	—	pCi/L	Y	—	J	12-1555	CALA-12-22818	GELC
LAOI-7	240	08/31/16	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	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	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	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	2013-1580	CALA-13-39206	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.55	—	—	0.01	SU	Y	H	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.54	—	—	0.01	SU	Y	H	J-	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.2	—	—	1.45	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.8	—	—	0.725	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.7	—	—	0.725	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55	—	—	0.725	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.7	—	—	0.73	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00487	0.00688	0.04	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00917	0.0112	0.0581	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0105	0.00984	0.022	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00379	0.00599	0.0261	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00314	0.0025	0.029	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.6	—	—	1	µg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.7	—	—	1	µg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.3	—	—	1	µg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.2	—	—	1	µg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.122	—	—	0.067	mg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0929	—	—	0.067	mg/L	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.122	—	—	0.067	mg/L	Y	J	J	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.135	—	—	0.066	mg/L	Y	J	J	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.9	—	—	0.05	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18	—	—	0.05	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.25	1.35	5.58	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.5	1.86	6.92	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.28	1.54	5.2	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.18	1.52	4.84	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.36	1.6	3.8	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	19.5	—	—	0.335	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	20.1	—	—	0.335	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	22.1	—	—	0.335	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.56	—	—	0.067	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28	—	—	0.13	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.02	—	—	3	µg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.24	—	—	2	µg/L	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.19	—	—	2	µg/L	Y	J	J	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.77	—	—	2	µg/L	Y	J	J	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.5	0.961	4.31	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.37	1.4	5.71	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.44	1.54	5.85	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.523	1.41	5.9	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.93	1.9	7.8	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.119	—	—	0.033	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.135	—	—	0.033	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	—	—	0.033	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.211	—	—	0.033	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1	0.819	2.83	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.91	1.06	2.86	—	pCi/L	Y	—	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.519	0.655	2.9	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.33	0.743	2.24	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.158	0.52	2.4	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.38	0.837	2.15	—	pCi/L	Y	—	J	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.3	0.412	1.12	—	pCi/L	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.16	1.02	2.9	—	pCi/L	Y	—	NQ	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.16	0.919	2.9	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.65	1.3	2.9	—	pCi/L	Y	—	NQ	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65	—	—	0.453	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.7	—	—	0.453	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.3	—	—	0.453	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.3	—	—	0.453	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.3	—	—	0.45	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	60.6	—	—	30	µg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	41.8	—	—	30	µg/L	Y	J	J	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.26	—	—	0.11	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.82	—	—	0.11	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.46	—	—	0.11	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.78	—	—	0.11	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.61	—	—	0.11	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.37	—	—	2	µg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	6.06	—	—	2	µg/L	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.76	—	—	2	µg/L	Y	J	J	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	6.31	—	—	2	µg/L	Y	J	J	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.3	µg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.868	—	—	0.165	µg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.06	—	—	0.165	µg/L	Y	—	U	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.969	—	—	0.165	µg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03	—	—	0.17	µg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.35	2.01	7.22	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.41	4.44	10.3	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0427	3.28	10.9	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.64	2.81	9.83	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.897	3.8	13	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.15	—	—	0.5	µg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	21.2	—	—	0.5	µg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.38	—	—	0.5	µg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.94	—	—	0.5	µg/L	Y	J	J	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.75	—	—	0.5	µg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	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	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	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	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.532	—	—	0.017	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.292	—	—	0.017	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.311	—	—	0.05	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.757	—	—	0.05	µg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.762	—	—	0.05	µg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.856	—	—	0.05	µg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.814	—	—	0.05	µg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.756	—	—	0.05	µg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.85E-09	0.00876	0.0487	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0172	0.00812	0.0394	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00517	0.00895	0.0462	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00771	0.0208	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.025	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	1.85E-09	0.00876	0.0611	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0316	0.0111	0.0483	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0103	0.0693	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00206	0.00545	0.0244	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	4.85E-10	0.005	0.038	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5	—	—	0.05	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.11	—	—	0.05	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.42	—	—	0.05	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.99	—	—	0.05	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.68	—	—	0.05	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15	15.1	57.4	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.1	17.2	65.2	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.65	17.9	73.9	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.4	18.8	71	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.7	23	89	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.1	—	—	0.053	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.7	—	—	0.053	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.2	—	—	0.053	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.6	—	—	0.053	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.1	—	—	0.053	mg/L	Y	—	J+	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.1	—	—	0.1	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.33	0.902	4.23	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.23	1.37	5.06	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.584	1.51	5.89	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.12	1.75	6.04	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.3	2	8	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	3.63	µS/cm	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	3.63	µS/cm	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	205	—	—	1	µS/cm	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	215	—	—	1	µS/cm	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	241	—	—	1	µS/cm	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	85.5	—	—	1	µg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	84.1	—	—	1	µg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	94.3	—	—	1	µg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	90.5	—	—	1	µg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	100	—	—	1	µg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.151	0.103	0.36	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.199	0.128	0.48	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0841	0.134	0.466	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.086	0.135	0.49	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.226	0.16	0.53	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.59	—	—	0.133	mg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	—	0.133	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11	—	—	0.133	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.76	—	—	0.133	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	168	—	—	2.4	mg/L	Y	—	J	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.9	—	—	0.33	mg/L	Y	J	J	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1	—	—	0.33	mg/L	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.06	—	—	0.33	mg/L	Y	—	NQ	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.17	—	—	0.33	mg/L	Y	—	NQ	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.849	—	—	0.33	mg/L	Y	J	J	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0361	—	—	0.02	mg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0235	—	—	0.017	mg/L	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0226	—	—	0.017	mg/L	Y	J	J	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0394	—	—	0.017	mg/L	Y	J	J	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.036	—	—	0.015	mg/L	Y	J	U	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	551	66.3	154	—	pCi/L	Y	—	NQ	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	670	60.3	162	—	pCi/L	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	605	63.6	185	—	pCi/L	Y	—	NQ	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	699	56.6	105	—	pCi/L	Y	—	NQ	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	721	100	140	—	pCi/L	Y	—	NQ	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.498	—	—	0.067	µg/L	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.63	—	—	0.067	µg/L	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.767	—	—	0.067	µg/L	Y	—	NQ	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.68	—	—	0.067	µg/L	Y	—	NQ	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.622	—	—	0.067	µg/L	Y	—	NQ	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.205	0.021	0.0688	—	pCi/L	Y	—	NQ	2016-2310	CALA-16-124850	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.23	0.0247	0.0554	—	pCi/L	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.249	0.0272	0.0582	—	pCi/L	Y	—	NQ	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.267	0.0339	0.0942	—	pCi/L	Y	—	NQ	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.294	0.034	0.051	—	pCi/L	Y	—	NQ	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0114	0.00758	0.0659	—	pCi/L	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0158	0.00834	0.0406	—	pCi/L	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0133	0.00938	0.0357	—	pCi/L	Y	U	U	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0086	0.0136	0.0399	—	pCi/L	Y	U	U	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0207	0.008	0.033	—	pCi/L	Y	U	U	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.17	0.0185	0.0687	—	pCi/L	Y	—	NQ	2016-2310	CALA-16-124850	GELC
LAOI-7	240	09/11/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.202	0.023	0.0321	—	pCi/L	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240	08/08/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.225	0.0252	0.0505	—	pCi/L	Y	—	NQ	2013-1580	CALA-13-39188	GELC
LAOI-7	240	09/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.0265	0.0469	—	pCi/L	Y	—	NQ	12-1550	CALA-12-22894	GELC
LAOI-7	240	03/10/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.211	0.027	0.035	—	pCi/L	Y	—	NQ	11-1604	CALA-11-5160	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.29	—	—	1	µg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.51	—	—	1	µg/L	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.65	—	—	1	µg/L	Y	J	J	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.65	—	—	1	µg/L	Y	J	J	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.23	—	—	1	µg/L	Y	J	J	11-1604	CALA-11-5162	GELC
LAOI-7	240	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.97	—	—	3.3	µg/L	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240	09/11/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.36	—	—	3.3	µg/L	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.47	—	—	3.3	µg/L	Y	J	J	2013-1580	CALA-13-39206	GELC
LAOI-7	240	09/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.97	—	—	3.3	µg/L	Y	J	J	12-1550	CALA-12-22900	GELC
LAOI-7	240	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.98	—	—	3.3	µg/L	Y	J	J	11-1604	CALA-11-5162	GELC
R-5 S2	372.8	08/23/16	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	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	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	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	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	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	J-	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98.4	—	—	1.45	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	99.6	—	—	0.725	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.2	—	—	0.725	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.9	—	—	0.725	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94	—	—	0.73	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0713	—	—	0.017	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0935	—	—	0.017	mg/L	Y	—	U	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.051	—	—	0.017	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0764	—	—	0.017	mg/L	Y	—	U	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.79	—	—	1.7	µg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.12	—	—	1.7	µg/L	Y	J	J	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.75	—	—	1.7	µg/L	Y	J	J	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	6.9	—	—	1.5	µg/L	Y	—	U	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	187	—	—	1	µg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	203	—	—	1	µg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	193	—	—	1	µg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	199	—	—	1	µg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	190	—	—	1	µg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24.7	—	—	15	µg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.3	—	—	15	µg/L	Y	J	J	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.8	—	—	10	µg/L	Y	J	J	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.133	—	—	0.067	mg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.115	—	—	0.067	mg/L	Y	J	J	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.103	—	—	0.067	mg/L	Y	J	J	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.121	—	—	0.067	mg/L	Y	J	J	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.152	—	—	0.066	mg/L	Y	J	J	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	Y	0.276	—	—	0.11	µg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	1	—	—	0.11	µg/L	Y	U	U	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	1	—	—	0.11	µg/L	Y	U	U	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	1	—	—	0.11	µg/L	Y	U	U	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	1	—	—	0.11	µg/L	Y	U	U	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	29.7	—	—	0.05	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	31.8	—	—	0.05	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	31.7	—	—	0.05	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	29.8	—	—	0.05	mg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	30	—	—	0.03	mg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.19	—	—	0.067	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.57	—	—	0.067	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.38	—	—	0.067	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.61	—	—	0.067	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.22	—	—	0.066	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.11	—	—	2	µg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.51	—	—	2	µg/L	Y	J	J	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.22	—	—	2	µg/L	Y	J	J	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.44	—	—	2.5	µg/L	Y	J	J	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.5	—	—	1.5	µg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.992	—	—	0.033	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.08	—	—	0.033	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.13	—	—	0.033	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.01	—	—	0.033	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.03	—	—	0.033	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86	—	—	0.453	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	92.4	—	—	0.453	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	91.5	—	—	0.45	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86	—	—	0.35	mg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.9	—	—	0.35	mg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.86	—	—	0.11	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.17	—	—	0.11	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.01	—	—	0.11	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.85	—	—	0.085	mg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.14	—	—	0.085	mg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.07	—	—	0.165	µg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.21	—	—	0.165	µg/L	Y	—	J	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.23	—	—	0.17	µg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.07	—	—	0.1	µg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.3	—	—	0.1	µg/L	Y	—	J	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	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	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.6	—	—	0.085	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.63	—	—	0.085	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.52	—	—	0.17	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.87	—	—	0.05	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.39	—	—	0.1	µg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.26	—	—	0.1	µg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.39	—	—	0.1	µg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.4	—	—	0.1	µg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.25	—	—	0.1	µg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.19	—	—	0.05	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.35	—	—	0.05	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.35	—	—	0.05	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.04	—	—	0.05	mg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.26	—	—	0.05	mg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.74	—	—	1.5	µg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1	µg/L	Y	U	U	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1	µg/L	Y	U	U	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	51.2	—	—	0.053	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.1	—	—	0.053	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.5	—	—	0.053	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.5	—	—	0.053	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	53.1	—	—	0.053	mg/L	Y	—	J+	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	14.1	—	—	0.1	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	J	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.1	—	—	0.045	mg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	247	—	—	3.63	µS/cm	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	240	—	—	3.63	µS/cm	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	256	—	—	1	µS/cm	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	258	—	—	1	µS/cm	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	258	—	—	1	µS/cm	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	289	—	—	1	µg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	298	—	—	1	µg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	321	—	—	1	µg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	298	—	—	1	µg/L	Y	—	J	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	309	—	—	1	µg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.67	—	—	0.133	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.91	—	—	0.133	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.4	—	—	0.133	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.76	—	—	0.133	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.84	—	—	0.1	mg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	199	—	—	3.4	mg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	174	—	—	3.4	mg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	2.4	mg/L	Y	—	J	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0416	—	—	0.02	mg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	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	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.049	—	—	0.017	mg/L	Y	J	J	2013-1654	CALA-13-39207	GELC
R-5 S2	372.8	08/29/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0462	—	—	0.017	mg/L	Y	J	U	12-1525	CAPU-12-22843	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.58	—	—	0.067	µg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.9	—	—	0.067	µg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.61	—	—	0.067	µg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.63	—	—	0.05	µg/L	Y	—	J	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.9	—	—	0.05	µg/L	Y	—	NQ	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.69	—	—	1	µg/L	Y	—	NQ	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.42	—	—	1	µg/L	Y	—	NQ	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.12	—	—	1	µg/L	Y	—	NQ	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.16	—	—	1	µg/L	Y	—	NQ	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	10.4	—	—	1	µg/L	Y	—	U	08-1777	CAPU-08-14777	GELC
R-5 S2	372.8	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.92	—	—	3.3	µg/L	Y	J	J	2016-2160	CALA-16-124867	GELC
R-5 S2	372.8	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2327	CALA-15-104009	GELC
R-5 S2	372.8	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1598	CAPU-11-5285	GELC
R-5 S2	372.8	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.16	—	—	3.3	µg/L	Y	J	J	09-2718	CAPU-09-11248	GELC
R-5 S2	372.8	08/26/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3	—	—	2	µg/L	Y	J	J	08-1777	CAPU-08-14777	GELC
R-5 S3	676.9	08/24/16	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	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	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	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	J-	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	95.4	—	—	1.45	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.8	—	—	0.725	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.8	—	—	0.725	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.6	—	—	0.725	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	89.5	—	—	0.73	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.31	—	—	1.7	µg/L	Y	J	J	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5.61	—	—	1.5	µg/L	Y	—	U	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.1	—	—	1.5	µg/L	Y	J	J	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	89.1	—	—	1	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	95.6	—	—	1	µg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	97.5	—	—	1	µg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	94.3	—	—	1	µg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	91	—	—	1	µg/L	Y	—	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	34.7	—	—	15	µg/L	Y	J	J	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	41.7	—	—	15	µg/L	Y	J	J	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	39.1	—	—	15	µg/L	Y	J	J	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	35.8	—	—	15	µg/L	Y	J	J	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	36.2	—	—	10	µg/L	Y	J	J	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.128	—	—	0.067	mg/L	Y	J	J	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.133	—	—	0.067	mg/L	Y	J	J	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.115	—	—	0.067	mg/L	Y	J	J	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.124	—	—	0.067	mg/L	Y	J	J	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.139	—	—	0.066	mg/L	Y	J	J	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.6	—	—	0.05	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.4	—	—	0.05	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	27.7	—	—	0.05	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.6	—	—	0.05	mg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.9	—	—	0.03	mg/L	Y	—	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.14	—	—	0.067	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.71	—	—	0.067	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.76	—	—	0.067	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.16	—	—	0.067	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.95	—	—	0.066	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.84	—	—	2	µg/L	Y	J	J	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	13.8	—	—	2	µg/L	Y	—	J	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.84	—	—	2	µg/L	Y	J	J	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.82	—	—	2.5	µg/L	Y	J	J	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	10.4	—	—	1.5	µg/L	Y	—	J	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.565	—	—	0.033	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.682	—	—	0.033	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.688	—	—	0.033	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.595	—	—	0.033	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.647	—	—	0.033	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.6	—	—	0.453	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.6	—	—	0.453	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.4	—	—	2.3	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	78.9	—	—	0.35	mg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.9	—	—	0.35	mg/L	Y	—	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.27	—	—	0.11	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.56	—	—	0.11	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.72	—	—	0.11	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.21	—	—	0.085	mg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.58	—	—	0.085	mg/L	Y	—	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.47	—	—	0.165	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.54	—	—	0.165	µg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.55	—	—	0.17	µg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.33	—	—	0.1	µg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	2.4	—	—	0.1	µg/L	Y	—	U	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.09	—	—	0.5	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.37	—	—	0.5	µg/L	Y	J	J	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.59	—	—	0.5	µg/L	Y	J	J	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.28	—	—	0.5	µg/L	Y	J	J	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1	—	—	0.5	µg/L	Y	J	J	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.94	—	—	0.085	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.54	—	—	0.085	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2	—	—	0.085	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.9	—	—	0.085	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.98	—	—	0.05	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.31	—	—	0.1	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.24	—	—	0.1	µg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.23	—	—	0.1	µg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.3	—	—	0.1	µg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.25	—	—	0.1	µg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.4	—	—	0.05	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.55	—	—	0.05	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.66	—	—	0.05	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.26	—	—	0.05	mg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.47	—	—	0.05	mg/L	Y	E	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.9	—	—	0.053	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	50.4	—	—	0.053	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.8	—	—	0.053	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.9	—	—	0.053	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	50.2	—	—	0.053	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.8	—	—	0.1	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	21.1	—	—	0.1	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.7	—	—	0.1	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.3	—	—	0.1	mg/L	Y	*	J	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.4	—	—	0.045	mg/L	Y	—	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	251	—	—	3.63	µS/cm	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	244	—	—	3.63	µS/cm	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	254	—	—	1	µS/cm	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	258	—	—	1	µS/cm	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	263	—	—	1	µS/cm	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	190	—	—	1	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	—	—	1	µg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	206	—	—	1	µg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	190	—	—	1	µg/L	Y	*	J	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	199	—	—	1	µg/L	Y	—	NQ	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	17.3	—	—	0.133	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.1	—	—	0.133	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.2	—	—	0.133	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC
R-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.3	—	—	0.133	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.8	—	—	0.1	mg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	08/14/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	NQ	2013-1654	CALA-13-39208	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-5 S3	676.9	08/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	12-1526	CAPU-12-22844	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	2.4	mg/L	Y	—	J	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.63	—	—	0.067	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.9	—	—	0.067	µg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.71	—	—	0.067	µg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	—	0.05	µg/L	Y	—	J	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.9	—	—	0.05	µg/L	Y	—	J	08-1794	CAPU-08-14803	GELC
R-5 S3	676.9	08/24/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.31	—	—	1	µg/L	Y	—	NQ	2016-2178	CALA-16-124868	GELC
R-5 S3	676.9	09/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.74	—	—	1	µg/L	Y	—	NQ	2015-2331	CALA-15-104010	GELC
R-5 S3	676.9	03/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.2	—	—	1	µg/L	Y	—	NQ	11-1605	CAPU-11-5303	GELC
R-5 S3	676.9	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.2	—	—	1	µg/L	Y	—	NQ	09-2726	CAPU-09-11249	GELC
R-5 S3	676.9	08/27/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	J	08-1794	CAPU-08-14803	GELC
R-6	1205	08/23/16	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	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	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	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	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	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	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	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.3	—	—	1.45	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.2	—	—	0.725	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	—	0.725	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.2	—	—	0.725	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.1	—	—	0.725	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.2	—	—	0.725	mg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00643	0.00773	0.0352	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0124	0.00533	0.0318	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00204	0.00736	0.0328	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.027	0.00952	0.0349	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00434	0.013	0.0549	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0145	0.00685	0.0409	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0678	—	—	0.017	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0529	—	—	0.017	mg/L	Y	—	U	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0756	—	—	0.017	mg/L	Y	—	U	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4547	CALA-14-86025	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.46	—	—	1.7	µg/L	Y	J	J	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.73	—	—	1.7	µg/L	Y	J	J	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.88	—	—	1.7	µg/L	Y	J	J	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.96	—	—	1.7	µg/L	Y	J	J	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.5	—	—	1	µg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.7	—	—	1	µg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.3	—	—	1	µg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.6	—	—	1	µg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.8	—	—	1	µg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.5	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.4	—	—	15	µg/L	Y	J	J	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.1	—	—	15	µg/L	Y	J	J	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.2	—	—	15	µg/L	Y	J	J	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.5	—	—	15	µg/L	Y	J	J	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.2	—	—	0.05	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.3	—	—	0.05	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.8	—	—	0.05	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	14.6	—	—	0.05	mg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.22	1.42	4.39	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0872	1.62	6.05	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.08	1.76	5.74	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.39	1.4	3.45	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.22	1.4	4.45	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.92	1.19	4.3	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	—	0.067	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.067	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.067	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.87	—	—	0.067	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.067	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.37	—	—	2	µg/L	Y	J	J	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.23	—	—	2	µg/L	Y	J	J	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	4.17	—	—	2	µg/L	Y	J	U	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.03	—	—	2	µg/L	Y	J	J	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.08	—	—	2	µg/L	Y	J	J	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.4	—	—	2	µg/L	Y	J	J	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.719	0.807	3.43	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.48	1.64	5.48	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0679	1.89	7.33	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.349	1.23	4.79	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.1	1.36	5.12	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.18	1.47	4.27	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	—	0.033	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.359	—	—	0.033	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.344	—	—	0.033	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.361	—	—	0.033	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.367	—	—	0.033	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.359	—	—	0.033	mg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.25	0.345	0.751	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.337	0.719	2.87	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.4	0.49	2.99	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.461	0.336	1.28	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1	0.556	2.88	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.229	0.674	2.84	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.25	0.827	2.6	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.635	0.512	1.69	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.639	0.462	1.55	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.25	0.404	1.3	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.7	0.772	2.41	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.0551	0.629	2.25	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.6	—	—	0.453	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.8	—	—	0.453	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.3	—	—	0.453	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.7	—	—	0.453	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.4	—	—	0.453	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.7	—	—	0.453	mg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.56	—	—	0.11	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.78	—	—	0.11	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.07	—	—	0.11	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.51	—	—	0.11	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.84	—	—	0.11	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.16	—	—	0.11	mg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.73	—	—	0.165	µg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.75	—	—	0.165	µg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.8	—	—	0.165	µg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.61	—	—	0.165	µg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.64	—	—	0.165	µg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.81	—	—	0.165	µg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.412	1.55	5.18	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.17	3.32	11.4	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.7	3.79	12.2	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.57	2.6	9.71	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.977	2.77	9.79	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.65	2.45	8.77	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.268	—	—	0.017	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.272	—	—	0.017	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.216	—	—	0.017	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.277	—	—	0.017	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.265	—	—	0.017	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.321	—	—	0.017	mg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.296	—	—	0.05	µg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.278	—	—	0.05	µg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.281	—	—	0.05	µg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.277	—	—	0.05	µg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.294	—	—	0.05	µg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.298	—	—	0.05	µg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00425	0.00521	0.0374	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.019	0.00967	0.0334	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00225	0.00503	0.0451	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0161	0.00856	0.038	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6	1205	09/12/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00738	0.0413	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00437	0.00535	0.0178	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00212	0.00475	0.0469	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00633	0.007	0.0307	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0135	0.011	0.0403	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.02E-09	0.00755	0.0492	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0331	0.0124	0.0507	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0306	0.00927	0.0414	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.19	—	—	0.05	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.26	—	—	0.05	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.11	—	—	0.05	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.13	—	—	0.05	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.28	—	—	0.05	mg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	14.8	23.8	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	50.2	18.2	54.4	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-37.4	21.7	83.5	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.7	17.3	40.6	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	31.8	23.2	47.5	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.3	15.3	60.1	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.3	—	—	0.053	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.3	—	—	0.053	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80	—	—	0.053	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.1	—	—	0.053	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.1	—	—	0.053	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	J-	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.87	—	—	0.1	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.47	—	—	0.1	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.86	—	—	0.1	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.76	—	—	0.1	mg/L	Y	E	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.7	—	—	0.1	mg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.333	0.775	2.94	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.09	1.67	5.42	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.17	1.57	5.39	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.327	1.24	4.8	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.709	1.27	5.01	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.577	1.22	4.05	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	—	3.63	µS/cm	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	3.63	µS/cm	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	3.63	µS/cm	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	3.63	µS/cm	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	3.63	µS/cm	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	µS/cm	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.5	—	—	1	µg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57	—	—	1	µg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.8	—	—	1	µg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.9	—	—	1	µg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.5	—	—	1	µg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58.5	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00159	0.091	0.31	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.125	0.129	0.499	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.145	0.114	0.479	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00874	0.123	0.416	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.297	0.119	0.48	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.142	0.478	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.23	—	—	0.133	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.133	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.25	—	—	0.133	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.1	—	—	0.133	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.11	—	—	0.133	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.26	—	—	0.133	mg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	88.6	—	—	3.4	mg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	02/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	3.4	mg/L	Y	—	NQ	2014-2823	CALA-14-54396	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0343	—	—	0.033	mg/L	Y	J	J	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.1	—	—	0.033	mg/L	Y	—	NQ	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.11	—	—	0.033	mg/L	Y	—	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0506	—	—	0.02	mg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	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	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	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	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0529	—	—	0.017	mg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.032	—	—	0.017	mg/L	Y	J	U	2014-4547	CALA-14-86025	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-140	47.6	190	—	pCi/L	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-27.7	44.1	166	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	18.1	44.7	159	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	3.12	32.9	118	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	82.6	51.5	170	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	106	46.9	148	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.297	—	—	0.067	µg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.331	—	—	0.067	µg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.347	—	—	0.067	µg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.334	—	—	0.067	µg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.368	—	—	0.067	µg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.266	—	—	0.067	µg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.357	0.03	0.0862	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.275	0.0253	0.0801	—	pCi/L	Y	—	J	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.257	0.0276	0.102	—	pCi/L	Y	—	NQ	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.259	0.0249	0.0879	—	pCi/L	Y	—	NQ	2015-894	CALA-15-92866	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6	1205	09/12/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.267	0.0284	0.0605	—	pCi/L	Y	—	NQ	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.271	0.0244	0.036	—	pCi/L	Y	—	NQ	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0974	0.0181	0.0826	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0343	0.0102	0.0512	—	pCi/L	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0359	0.0134	0.072	—	pCi/L	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.00933	0.055	—	pCi/L	Y	U	U	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00344	0.00596	0.0444	—	pCi/L	Y	U	U	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0174	0.00896	0.019	—	pCi/L	Y	U	U	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.19	0.022	0.0861	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.128	0.0176	0.0512	—	pCi/L	Y	—	NQ	2016-824	CALA-16-110553	GELC
R-6	1205	09/09/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.126	0.0194	0.0947	—	pCi/L	Y	—	NQ	2015-2324	CALA-15-103989	GELC
R-6	1205	03/13/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.0172	0.0448	—	pCi/L	Y	—	J	2015-894	CALA-15-92866	GELC
R-6	1205	09/12/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0183	0.0351	—	pCi/L	Y	—	NQ	2014-4547	CALA-14-86014	GELC
R-6	1205	02/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.0156	0.0252	—	pCi/L	Y	—	NQ	2014-2823	CALA-14-54393	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.05	—	—	1	µg/L	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9	—	—	1	µg/L	Y	—	NQ	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.67	—	—	1	µg/L	Y	—	NQ	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.76	—	—	1	µg/L	Y	—	NQ	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.58	—	—	1	µg/L	Y	—	NQ	2014-4547	CALA-14-86025	GELC
R-6	1205	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.07	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22828	GELC
R-6	1205	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.53	—	—	3.3	µg/L	Y	J	J	2016-2159	CALA-16-124869	GELC
R-6	1205	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-824	CALA-16-110557	GELC
R-6	1205	09/09/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2324	CALA-15-104011	GELC
R-6	1205	03/13/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-894	CALA-15-92875	GELC
R-6	1205	09/12/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2014-4547	CALA-14-86025	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	—	0.01	SU	Y	H	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	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	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	—	—	0.01	SU	Y	H	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	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	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.38	—	—	0.01	SU	Y	H	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	—	—	0.01	SU	Y	H	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	—	1.45	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.725	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	0.725	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.725	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.4	—	—	0.725	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.9	—	—	0.725	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00394	0.00881	0.0323	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.011	0.00581	0.0329	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00779	0.0335	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-2.37E-09	0.0113	0.0598	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00529	0.00529	0.0444	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.017	0.0102	0.0436	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00364	0.00446	0.0308	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.95	—	—	1.7	µg/L	Y	J	J	2016-824	CALA-16-110558	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.72	—	—	1.7	µg/L	Y	J	J	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.76	—	—	1.7	µg/L	Y	J	J	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.8	—	—	1	µg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.8	—	—	1	µg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.5	—	—	1	µg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.6	—	—	1	µg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.5	—	—	1	µg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13	—	—	1	µg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	12.6	—	—	1	µg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	39	—	—	15	µg/L	Y	J	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2014-4464	CALA-14-86026	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.1	—	—	0.05	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.54	—	—	0.05	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.16	—	—	0.05	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.23	—	—	0.05	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.38	—	—	0.05	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.43	—	—	0.05	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.83	1.39	4.73	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.3	1.61	5.52	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.195	2.21	6.03	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.83	1.96	5.26	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.26	1.07	3.59	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.11	1.72	6.35	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.43	1.32	4.42	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.34	—	—	0.067	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.33	—	—	0.067	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.32	—	—	0.067	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.32	—	—	0.067	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.35	—	—	0.067	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.38	—	—	0.067	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.42	—	—	0.067	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.22	—	—	3	µg/L	Y	J	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.19	—	—	2	µg/L	Y	J	J	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.11	—	—	2	µg/L	Y	J	J	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.1	—	—	2	µg/L	Y	J	J	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	Y	J	J	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.34	—	—	2	µg/L	Y	J	J	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0641	1.59	6.93	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.41	1.53	5.52	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.6	1.47	6.1	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.13	1.63	5.05	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.915	1.02	3.62	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.5	1.78	4.73	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.65	1.27	4.43	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.254	—	—	0.033	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.32	—	—	0.033	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.307	—	—	0.033	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.317	—	—	0.033	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.319	—	—	0.033	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	RE	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.729	0.475	1.57	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	19.6	2.2	2.87	—	pCi/L	N	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.888	0.715	2.51	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.132	0.632	2.95	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.993	0.38	1.2	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.722	0.298	0.941	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.34	0.729	2.98	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.771	0.386	1.26	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.01	0.841	2.57	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.902	0.489	1.6	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.504	0.636	2.21	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.238	0.361	1.24	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.11	0.53	1.73	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.205	0.36	1.21	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.01	0.857	2.6	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.9	—	—	0.453	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.5	—	—	0.453	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.1	—	—	0.453	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.5	—	—	0.453	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.7	—	—	0.453	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.5	—	—	0.453	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.6	—	—	0.453	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.6	—	—	0.11	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.62	—	—	0.11	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.74	—	—	0.11	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.58	—	—	0.11	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.58	—	—	0.11	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.69	—	—	0.11	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.56	—	—	0.11	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.856	—	—	0.3	µg/L	Y	—	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.528	—	—	0.165	µg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.543	—	—	0.165	µg/L	Y	—	U	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.63	—	—	0.165	µg/L	Y	—	U	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.605	—	—	0.165	µg/L	Y	—	U	2015-889	CALA-15-92856	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.571	—	—	0.165	µg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.755	—	—	0.165	µg/L	Y	—	U	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.285	3.4	11.9	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.38	3.68	12.1	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.38	2.6	9.54	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.86	3.25	10.7	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.44	2.2	7.49	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0803	3.47	12.2	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.75	2.59	8.38	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.602	—	—	0.5	µg/L	Y	J	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2014-4464	CALA-14-86026	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.138	—	—	0.017	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.177	—	—	0.017	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.139	—	—	0.017	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.164	—	—	0.017	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.178	—	—	0.017	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.225	—	—	0.017	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.161	—	—	0.017	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.196	—	—	0.05	µg/L	Y	J	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.211	—	—	0.05	µg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.198	—	—	0.05	µg/L	Y	J	J	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.203	—	—	0.05	µg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.198	—	—	0.05	µg/L	Y	J	J	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.21	—	—	0.05	µg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205	—	—	0.05	µg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0059	0.0059	0.0518	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00754	0.00596	0.0298	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00526	0.00632	0.0352	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00451	0.00432	0.0251	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00675	0.00673	0.0257	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00265	0.007	0.0363	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0107	0.00639	0.0173	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0147	0.0135	0.0651	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00942	0.00565	0.0274	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00351	0.00496	0.0314	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00572	0.00705	0.0327	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00468	0.00655	0.0335	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	8.82E-10	0.00648	0.0445	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	RE	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00226	0.00679	0.0665	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	Y	0.0533	0.0149	0.0404	—	pCi/L	N	—	R	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.13	—	—	0.05	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.23	—	—	0.05	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.1	—	—	0.05	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.25	—	—	0.05	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.13	—	—	0.05	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.2	26.9	115	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.69	20.1	60.9	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13	18.1	66.8	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	33.4	22.3	58.4	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	10.3	16.6	57.7	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.5	17.1	60.5	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28.7	21.6	44.6	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.4	—	—	0.053	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66	—	—	0.053	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.1	—	—	0.053	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.3	—	—	0.053	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.7	—	—	0.053	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.95	1.56	4.18	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0457	1.58	6.03	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.82	1.44	4.92	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.316	1.67	6.1	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.133	1.04	3.93	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.938	1.45	6.04	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.68	0.972	4.12	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	112	—	—	3.63	µS/cm	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	3.63	µS/cm	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	116	—	—	3.63	µS/cm	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	116	—	—	3.63	µS/cm	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	N	14.5	—	—	3.63	µS/cm	Y	U	U	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	110	—	—	3.63	µS/cm	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	µS/cm	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.7	—	—	1	µg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.3	—	—	1	µg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48	—	—	1	µg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.9	—	—	1	µg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.6	—	—	1	µg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.1	—	—	1	µg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	47.7	—	—	1	µg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0953	0.0998	0.342	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.159	0.125	0.486	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.157	0.118	0.492	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0266	0.133	0.478	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00586	0.139	0.485	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.193	0.124	0.487	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.35	0.156	0.508	—	pCi/L	Y	U	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.83	—	—	0.133	mg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.54	—	—	0.133	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.56	—	—	0.133	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.55	—	—	0.133	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.56	—	—	0.133	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.63	—	—	0.133	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.81	—	—	0.133	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	Y	0.707	—	—	0.45	µg/L	Y	J	J	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	72.9	—	—	3.4	mg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	40	—	—	3.4	mg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	58.6	—	—	3.4	mg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	78.6	—	—	3.4	mg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.159	—	—	0.033	mg/L	Y	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0377	—	—	0.033	mg/L	Y	J	J	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0918	—	—	0.033	mg/L	Y	J	J	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.114	—	—	0.033	mg/L	Y	—	NQ	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0574	—	—	0.033	mg/L	Y	J	J	2014-2833	CALA-14-54394	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.336	—	—	0.33	mg/L	Y	J	J	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.532	—	—	0.33	mg/L	Y	J	J	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.478	—	—	0.33	mg/L	Y	J	J	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.436	—	—	0.33	mg/L	Y	J	J	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.414	—	—	0.33	mg/L	Y	J	J	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.157	0.616	2.107	—	pCi/L	Y	U	U	2016-2324	CALA-16-124854	ARSL
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	32.4	47.2	165	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.019	0.61	2.08	—	pCi/L	Y	U	U	2016-843	CALA-16-110554	ARSL
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.442	0.623	2.141	—	pCi/L	Y	U	U	2015-2347	CALA-15-103990	ARSL
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.68	0.93	3.11	—	pCi/L	Y	U	U	2015-888	CALA-15-92855	ARSL
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.564	0.725	2.444	—	pCi/L	Y	U	U	2014-4466	CALA-14-86015	ARSL
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.638	0.633	2.085	—	pCi/L	Y	U	U	2014-2831	CALA-14-54394	ARSL
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.721	—	—	0.067	µg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.72	—	—	0.067	µg/L	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.735	—	—	0.067	µg/L	Y	—	NQ	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.798	—	—	0.067	µg/L	Y	—	NQ	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.792	—	—	0.067	µg/L	Y	—	NQ	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.858	—	—	0.067	µg/L	Y	—	NQ	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1	—	—	0.067	µg/L	Y	—	NQ	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.527	0.036	0.0837	—	pCi/L	Y	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.605	0.042	0.109	—	pCi/L	Y	—	NQ	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.626	0.0426	0.117	—	pCi/L	Y	—	NQ	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.635	0.0414	0.0989	—	pCi/L	Y	—	NQ	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.599	0.0366	0.0815	—	pCi/L	Y	—	NQ	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.667	0.0457	0.0661	—	pCi/L	Y	—	NQ	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.75	0.0411	0.0401	—	pCi/L	Y	—	NQ	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0223	0.0111	0.0802	—	pCi/L	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0322	0.0119	0.0694	—	pCi/L	Y	U	U	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0413	0.0129	0.0828	—	pCi/L	Y	U	U	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0253	0.011	0.0619	—	pCi/L	Y	U	U	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0313	0.0117	0.051	—	pCi/L	Y	U	U	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00377	0.00652	0.0485	—	pCi/L	Y	U	U	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0249	0.00918	0.0211	—	pCi/L	Y	—	U	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.252	0.0255	0.0836	—	pCi/L	Y	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285	03/01/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.263	0.0282	0.0694	—	pCi/L	Y	—	NQ	2016-824	CALA-16-110554	GELC
R-64	1285	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.27	0.028	0.109	—	pCi/L	Y	—	NQ	2015-2328	CALA-15-103990	GELC
R-64	1285	03/12/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.328	0.0292	0.0504	—	pCi/L	Y	—	NQ	2015-889	CALA-15-92867	GELC
R-64	1285	03/12/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.26	0.0238	0.0415	—	pCi/L	Y	—	NQ	2015-889	CALA-15-92855	GELC
R-64	1285	09/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.335	0.0328	0.0384	—	pCi/L	Y	—	NQ	2014-4464	CALA-14-86015	GELC
R-64	1285	02/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	0.0265	0.0281	—	pCi/L	Y	—	NQ	2014-2833	CALA-14-54394	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.07	—	—	1	µg/L	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.45	—	—	1	µg/L	Y	J	J	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.48	—	—	1	µg/L	Y	J	J	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.83	—	—	1	µg/L	Y	J	J	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.78	—	—	1	µg/L	Y	J	J	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.5	—	—	1	µg/L	Y	J	J	2014-4464	CALA-14-86026	GELC
R-64	1285	02/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.54	—	—	1	µg/L	Y	J	J	2014-2833	CALA-14-54397	GELC
R-64	1285	08/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.92	—	—	3.3	µg/L	Y	J	J	2016-2254	CALA-16-124870	GELC
R-64	1285	03/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-824	CALA-16-110558	GELC
R-64	1285	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2328	CALA-15-104012	GELC
R-64	1285	03/12/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-889	CALA-15-92876	GELC
R-64	1285	03/12/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-889	CALA-15-92856	GELC
R-64	1285	09/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2014-4464	CALA-14-86026	GELC
R-66	819.4	08/30/16	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	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	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	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	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	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	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	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2015-467	CALA-15-90549	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	09/03/14	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	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	—	—	0.01	SU	Y	H	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87.3	—	—	1.45	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.5	—	—	0.725	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84	—	—	0.725	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	0.725	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.1	—	—	0.725	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.3	—	—	0.725	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.8	—	—	0.725	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.6	—	—	0.725	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.1	—	—	0.725	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00501	0.00792	0.0411	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0074	0.0074	0.0427	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-1.2E-09	0.0068	0.0417	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00822	0.00872	0.033	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00884	0.00779	0.0495	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00943	0.00832	0.0656	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0022	0.00583	0.046	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00759	0.0104	0.0325	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00795	0.00592	0.034	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0653	—	—	0.017	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0306	—	—	0.017	mg/L	Y	J	J	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.169	—	—	0.017	mg/L	Y	—	U	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0642	—	—	0.017	mg/L	Y	—	U	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0476	—	—	0.017	mg/L	Y	J	J+	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.178	—	—	0.017	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0724	—	—	0.017	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.7	—	—	1.7	µg/L	Y	J	J	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.04	—	—	1.7	µg/L	Y	J	J	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.64	—	—	1.7	µg/L	Y	J	J	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.89	—	—	1.7	µg/L	Y	J	J	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.76	—	—	1.7	µg/L	Y	J	J	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.11	—	—	1.7	µg/L	Y	J	J	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.1	—	—	1	µg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.4	—	—	1	µg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.1	—	—	1	µg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.2	—	—	1	µg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31	—	—	1	µg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.4	—	—	1	µg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.9	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.8	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37	—	—	15	µg/L	Y	J	J	2016-2284	CALA-16-124871	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	39.7	—	—	15	µg/L	Y	J	J	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	41.2	—	—	15	µg/L	Y	J	J	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	39.9	—	—	15	µg/L	Y	J	J	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.3	—	—	15	µg/L	Y	J	J	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	40.3	—	—	15	µg/L	Y	J	J	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	41.6	—	—	15	µg/L	Y	J	J	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	35.5	—	—	15	µg/L	Y	J	J	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	36	—	—	15	µg/L	Y	J	J	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	0.05	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.3	—	—	0.05	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.28	1.51	5.34	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.17	1.43	5.5	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-4.14	1.54	4.64	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.69	1.63	6.24	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0333	1.29	4.63	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.5	1.59	5.44	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.48	1.5	5.5	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.77	1.63	6.02	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0156	1.58	5.67	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	—	0.067	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.47	—	—	0.067	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.45	—	—	0.067	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.76	—	—	0.067	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.46	—	—	0.067	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.48	—	—	0.067	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.5	—	—	0.067	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.61	—	—	0.067	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.62	—	—	0.067	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.37	—	—	3	µg/L	Y	J	J	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.26	—	—	2	µg/L	Y	J	J	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.35	—	—	2	µg/L	Y	J	J	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.91	—	—	2	µg/L	Y	J	J	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.1	—	—	2	µg/L	Y	J	J	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.25	—	—	2	µg/L	Y	J	J	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.28	—	—	2	µg/L	Y	J	J	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.612	1.16	4.82	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.274	1.57	5.82	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.429	1.39	5.19	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.62	1.8	7.76	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.828	1.11	4.48	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.27	1.33	3.78	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.09	1.74	6.05	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0482	1.42	5.53	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.956	1.47	5.99	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	—	0.033	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.266	—	—	0.033	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.279	—	—	0.033	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.284	—	—	0.033	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.27	—	—	0.033	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.289	—	—	0.033	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.278	—	—	0.033	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.258	—	—	0.033	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.243	—	—	0.033	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.07	0.476	1.54	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.104	0.735	2.94	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.46	0.81	2.53	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.67	0.827	2.98	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.07	0.392	1.39	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.728	0.786	2.77	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.106	0.567	2.43	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.428	0.619	2.93	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.14	0.953	2.83	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.15	0.876	2.57	—	pCi/L	Y	—	J	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.513	0.534	1.76	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.49	0.355	1.09	—	pCi/L	Y	—	NQ	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.35	0.371	1.17	—	pCi/L	Y	—	NQ	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.75	0.545	1.75	—	pCi/L	Y	—	NQ	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.65	0.358	1.09	—	pCi/L	Y	—	NQ	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.69	0.549	1.77	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.41	0.601	1.91	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.185	0.38	1.28	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.6	—	—	0.453	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.6	—	—	0.453	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.1	—	—	0.453	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	70.2	—	—	0.453	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.9	—	—	0.453	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	70.4	—	—	0.453	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.2	—	—	0.453	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68	—	—	0.453	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.1	—	—	0.453	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	—	0.11	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.3	—	—	0.11	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.41	—	—	0.11	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.59	—	—	0.11	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5	—	—	0.11	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.67	—	—	0.11	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.11	—	—	0.11	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.33	—	—	0.11	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.33	—	—	0.11	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.3	µg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.59	—	—	0.165	µg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	µg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.47	—	—	0.165	µg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.44	—	—	0.165	µg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.42	—	—	0.165	µg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.165	µg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.165	µg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.165	µg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.17	2.09	7.45	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.231	2.68	9.36	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.704	3.03	10.5	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.23	3.48	12.6	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.88	2.36	8.99	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.62	2.85	10.5	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.02	2.87	10.5	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.14	2.95	10.9	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.192	3.08	10.7	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.613	—	—	0.017	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.653	—	—	0.017	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.676	—	—	0.017	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.654	—	—	0.017	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.641	—	—	0.017	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.646	—	—	0.017	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.648	—	—	0.017	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.723	—	—	0.017	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.688	—	—	0.017	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.506	—	—	0.05	µg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.505	—	—	0.05	µg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.512	—	—	0.05	µg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.49	—	—	0.05	µg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.486	—	—	0.05	µg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.464	—	—	0.05	µg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.472	—	—	0.05	µg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.507	—	—	0.05	µg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.469	—	—	0.05	µg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00685	0.00757	0.0401	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0029	0.0105	0.0435	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0149	0.0093	0.0373	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00214	0.00934	0.043	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00671	0.00592	0.0421	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00496	0.0271	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00214	0.00371	0.0287	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00492	0.00695	0.0337	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00258	0.00577	0.0354	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00456	0.00912	0.0503	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00869	0.0133	0.0551	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00746	0.00896	0.0472	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00643	0.00982	0.0383	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0134	0.00948	0.0545	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00405	0.00572	0.04	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00428	0.00741	0.0423	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0123	0.00886	0.0414	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00258	0.00447	0.0434	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.22	—	—	0.05	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.38	—	—	0.05	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.24	—	—	0.05	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.11	—	—	0.05	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.36	13.9	57.5	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	13.6	21.6	49.7	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.8	19.5	72.1	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.1	20.5	72.9	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29	16.4	58.1	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.715	16.2	57	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	18.8	20.2	54.5	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-20	21.7	78.7	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	16.2	18.9	73.4	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.7	—	—	0.053	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.9	—	—	0.053	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	81	—	—	0.053	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.7	—	—	0.053	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.3	—	—	0.053	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.8	—	—	0.053	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.3	—	—	0.053	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.7	—	—	0.053	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13	—	—	0.1	mg/L	Y	E	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	E	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.98	0.973	4.38	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.238	1.36	5.12	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.4	1.77	4.83	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.17	1.87	6.1	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.343	1.38	5.05	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.214	1.24	4.85	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.12	1.18	4.8	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.29	1.46	5.5	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.922	1.53	5.74	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	—	3.63	µS/cm	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	197	—	—	3.63	µS/cm	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193	—	—	3.63	µS/cm	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	174	—	—	1	µS/cm	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	178	—	—	3.63	µS/cm	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	3.63	µS/cm	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	—	—	3.63	µS/cm	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	163	—	—	3.63	µS/cm	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	176	—	—	3.63	µS/cm	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.4	—	—	1	µg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.7	—	—	1	µg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	74	—	—	1	µg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	80.6	—	—	1	µg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	77.3	—	—	1	µg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	81.6	—	—	1	µg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	78.8	—	—	1	µg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.3	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.1	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0473	0.139	0.495	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.306	0.121	0.497	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0694	0.112	0.423	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0641	0.121	0.49	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.156	0.141	0.482	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.013	0.132	0.482	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.156	0.145	0.49	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.172	0.125	0.487	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0775	0.132	0.481	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	—	0.133	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.36	—	—	0.133	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.35	—	—	0.133	mg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	—	0.133	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.31	—	—	0.133	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.32	—	—	0.133	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.35	—	—	0.133	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.44	—	—	0.133	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	—	0.133	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	Y	0.579	—	—	0.45	µg/L	Y	J	J	2016-818	CALA-16-110551	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	N	2	—	—	0.45	µg/L	Y	U	U	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	—	3.4	mg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	J	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0221	—	—	0.017	mg/L	Y	J	J	2016-818	CALA-16-110551	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0283	—	—	0.017	mg/L	Y	J	J	2016-818	CALA-16-110559	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.017	—	—	0.017	mg/L	Y	J	J	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	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	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-467	CALA-15-90569	GELC
R-66	819.4	03/11/15	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	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.879	0.533	1.822	—	pCi/L	Y	U	U	2016-2324	CALA-16-124855	ARSL
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.689	0.739	2.242	—	pCi/L	Y	U	U	2016-843	CALA-16-110555	ARSL
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.2	0.685	2.166	—	pCi/L	Y	U	U	2016-843	CALA-16-110550	ARSL
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.931	0.782	2.337	—	pCi/L	Y	U	U	2015-2347	CALA-15-103991	ARSL
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.97	1.22	3.9	—	pCi/L	Y	U	U	2015-886	CALA-15-92868	ARSL
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.726	0.686	2.29	—	pCi/L	Y	U	U	2015-501	CALA-15-90560	ARSL
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.175	0.748	2.558	—	pCi/L	Y	U	U	2015-501	CALA-15-90548	ARSL
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.67	0.715	2.395	—	pCi/L	Y	U	U	2014-4478	CALA-14-86016	ARSL
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.863	0.715	2.331	—	pCi/L	Y	U	U	2014-4478	CALA-14-85996	ARSL
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.704	—	—	0.067	µg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.675	—	—	0.067	µg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.665	—	—	0.067	µg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.628	—	—	0.067	µg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.684	—	—	0.067	µg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.633	—	—	0.067	µg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.676	—	—	0.067	µg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.692	—	—	0.067	µg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.697	—	—	0.067	µg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.5	0.0352	0.0881	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.422	0.0455	0.178	—	pCi/L	Y	—	J-	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.606	0.0496	0.159	—	pCi/L	Y	—	NQ	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.552	0.0406	0.123	—	pCi/L	Y	—	NQ	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.559	0.0379	0.0943	—	pCi/L	Y	—	NQ	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.477	0.0339	0.0467	—	pCi/L	Y	—	NQ	2015-467	CALA-15-90560	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.536	0.0347	0.0417	—	pCi/L	Y	—	NQ	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.514	0.0346	0.0487	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.482	0.0327	0.0451	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00586	0.00717	0.0844	—	pCi/L	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0165	0.0123	0.113	—	pCi/L	Y	U	U	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0294	0.0155	0.101	—	pCi/L	Y	U	U	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0289	0.0125	0.0869	—	pCi/L	Y	U	U	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0302	0.0113	0.059	—	pCi/L	Y	U	U	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00846	0.00846	0.0407	—	pCi/L	Y	U	U	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0176	0.0104	0.0364	—	pCi/L	Y	U	U	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.025	0.01	0.0358	—	pCi/L	Y	U	U	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0205	0.00812	0.0331	—	pCi/L	Y	U	U	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.275	0.026	0.088	—	pCi/L	Y	—	NQ	2016-2284	CALA-16-124855	GELC
R-66	819.4	02/29/16	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.217	0.0329	0.111	—	pCi/L	Y	—	J-	2016-818	CALA-16-110550	GELC
R-66	819.4	02/29/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.162	0.0266	0.0994	—	pCi/L	Y	—	NQ	2016-818	CALA-16-110555	GELC
R-66	819.4	09/14/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.234	0.0268	0.114	—	pCi/L	Y	—	NQ	2015-2334	CALA-15-103991	GELC
R-66	819.4	03/11/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.232	0.0243	0.048	—	pCi/L	Y	—	NQ	2015-882	CALA-15-92868	GELC
R-66	819.4	12/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.224	0.0235	0.0448	—	pCi/L	Y	—	NQ	2015-467	CALA-15-90560	GELC
R-66	819.4	12/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.228	0.0225	0.04	—	pCi/L	Y	—	NQ	2015-467	CALA-15-90548	GELC
R-66	819.4	09/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.224	0.0231	0.0283	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-86016	GELC
R-66	819.4	09/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.0208	0.0262	—	pCi/L	Y	—	NQ	2014-4474	CALA-14-85996	GELC
R-66	819.4	08/30/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.2	—	—	1	µg/L	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	02/29/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.4	—	—	1	µg/L	Y	—	NQ	2016-818	CALA-16-110559	GELC
R-66	819.4	02/29/16	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.6	—	—	1	µg/L	Y	—	NQ	2016-818	CALA-16-110551	GELC
R-66	819.4	09/14/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.5	—	—	1	µg/L	Y	—	NQ	2015-2334	CALA-15-104013	GELC
R-66	819.4	03/11/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.3	—	—	1	µg/L	Y	—	NQ	2015-882	CALA-15-92877	GELC
R-66	819.4	12/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.9	—	—	1	µg/L	Y	—	NQ	2015-467	CALA-15-90569	GELC
R-66	819.4	12/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12	—	—	1	µg/L	Y	—	NQ	2015-467	CALA-15-90549	GELC
R-66	819.4	09/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.7	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-86027	GELC
R-66	819.4	09/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.7	—	—	1	µg/L	Y	—	NQ	2014-4474	CALA-14-85997	GELC
R-6i	602	08/23/16	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	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	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	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.45	—	—	0.01	SU	Y	H	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	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	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.3	—	—	1.45	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	0.725	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	0.725	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.5	—	—	0.725	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	0.725	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.2	—	—	0.725	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.1	—	—	0.725	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00474	0.00671	0.0389	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	09/10/15	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0079	0.0079	0.0423	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00379	0.00464	0.0304	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0146	0.00975	0.0313	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00246	0.0055	0.0206	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00587	0.0246	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.00769	0.0352	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00728	0.00543	0.0333	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0266	—	—	0.017	mg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.107	—	—	0.017	mg/L	Y	—	U	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0546	—	—	0.017	mg/L	Y	—	U	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0275	—	—	0.017	mg/L	Y	J	U	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.71	—	—	1.7	µg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.71	—	—	1.7	µg/L	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.91	—	—	1.7	µg/L	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	—	1	µg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.3	—	—	1	µg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.5	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.3	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.3	—	—	1	µg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.4	—	—	15	µg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.1	—	—	15	µg/L	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	22.2	—	—	15	µg/L	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.1	—	—	15	µg/L	Y	J	J	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.3	—	—	15	µg/L	Y	J	J	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	21.3	—	—	15	µg/L	Y	J	J	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.1	—	—	15	µg/L	Y	J	J	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0903	—	—	0.067	mg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0766	—	—	0.067	mg/L	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0857	—	—	0.067	mg/L	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0729	—	—	0.067	mg/L	Y	J	J	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0762	—	—	0.067	mg/L	Y	J	J	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0903	—	—	0.067	mg/L	Y	J	J	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.8	—	—	0.05	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.4	—	—	0.05	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.3	—	—	0.05	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.3	—	—	0.05	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23	—	—	0.05	mg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.2	1.08	3.56	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.99	1.69	5.9	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.97	1.58	5.46	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.08	1.75	5.68	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.489	1.7	5.31	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.027	2.2	5.12	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.8	1.63	5.61	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.58	1.62	5.35	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.4	—	—	0.335	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.5	—	—	0.268	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.4	—	—	0.268	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.2	—	—	0.335	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.8	—	—	0.335	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.4	—	—	0.335	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.2	—	—	0.067	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17.2	—	—	0.067	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.2	—	—	2	µg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.11	—	—	2	µg/L	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.21	—	—	2	µg/L	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.56	—	—	2	µg/L	Y	J	J	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.92	—	—	2	µg/L	Y	J	J	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.08	—	—	2	µg/L	Y	J	J	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.94	—	—	2	µg/L	Y	J	J	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0448	1.01	3.86	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.8	1.55	5.75	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.44	1.59	5.74	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.04	1.3	5.42	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.81	1.61	5.49	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.91	1.4	4.75	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.21	1.5	6.05	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.33	1.36	6	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.681	—	—	0.033	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.754	—	—	0.033	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.745	—	—	0.033	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.689	—	—	0.033	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.723	—	—	0.033	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.724	—	—	0.033	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.695	—	—	0.033	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.706	—	—	0.033	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.64	0.485	1.48	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.0313	0.696	2.86	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.137	0.684	2.95	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.67	0.974	3.04	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.871	0.544	2.82	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	2.7	0.879	1.96	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.24	0.695	2.1	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.499	0.55	2.06	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.583	0.66	2.55	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.25	0.725	2.19	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.73	0.774	2.61	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.943	0.348	1.12	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-1.91	0.646	2.88	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	-1.17	0.711	2.83	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.664	0.624	2.16	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.326	0.609	2.23	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67	—	—	0.453	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.2	—	—	0.453	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.8	—	—	0.453	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.1	—	—	0.453	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.3	—	—	0.453	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.7	—	—	0.453	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.3	—	—	0.45	mg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.68	—	—	0.11	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.17	—	—	0.11	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.14	—	—	0.11	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.04	—	—	0.11	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.14	—	—	0.11	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.13	—	—	0.11	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.1	—	—	0.11	mg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.165	µg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.165	µg/L	Y	—	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.165	µg/L	Y	—	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.165	µg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.165	µg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.165	µg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.17	µg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.28	1.71	6.05	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.752	2.59	9.23	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.27	3.16	10.8	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.88	2.78	9.4	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.37	3.31	11.1	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.52	2.89	10.8	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.89	3.15	11.5	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.801	2.67	9.83	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.5	µg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.795	—	—	0.5	µg/L	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.843	—	—	0.5	µg/L	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.21	—	—	0.5	µg/L	Y	J	J	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.24	—	—	0.5	µg/L	Y	J	J	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.27	—	—	0.5	µg/L	Y	J	J	12-1518	CALA-12-22803	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.3	—	—	0.5	µg/L	Y	J	J	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.4	—	—	0.085	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	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	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.47	—	—	0.085	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.62	—	—	0.085	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.81	—	—	0.17	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.95	—	—	0.17	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	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	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.21	—	—	0.085	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.26	—	—	0.5	µg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.76	—	—	0.5	µg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.72	—	—	0.5	µg/L	Y	—	J+	2015-2329	CALA-15-104014	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.48	—	—	0.5	µg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.38	—	—	0.5	µg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.2	—	—	0.5	µg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.98	—	—	0.5	µg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.09	—	—	0.5	µg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0176	0.00695	0.0387	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00399	0.00489	0.04	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00207	0.00686	0.0415	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00787	0.044	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00228	0.0225	0.0483	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0293	0.0238	0.0471	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00346	0.0246	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00347	0.0247	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-1.47E-09	0.00695	0.0485	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00998	0.00719	0.0357	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00413	0.0109	0.037	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00321	0.0085	0.054	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00891	0.0157	0.0727	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00485	0.018	0.0709	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00489	0.00489	0.0289	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0098	0.006	0.029	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.608	—	—	0.05	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.671	—	—	0.05	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.683	—	—	0.05	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.606	—	—	0.05	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.645	—	—	0.05	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	0.621	—	—	0.05	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.706	—	—	0.05	mg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.8	22	40.9	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	16.3	15.4	63.2	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.78	17.7	65	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.9	18	72.6	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	24.8	19.8	82.5	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-6.47	19	70.2	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.2	18.3	75.6	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-32.1	17.6	59.9	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.4	—	—	0.053	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.2	—	—	0.053	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.8	—	—	0.053	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.5	—	—	0.053	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.5	—	—	0.053	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	—	0.1	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.8	—	—	0.1	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.6	—	—	0.1	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	20.9	—	—	0.1	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	21.1	—	—	0.1	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	19.9	—	—	0.1	mg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.603	0.872	3.17	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.913	1.23	5.01	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.58	1.77	5.29	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.654	1.37	5.51	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.35	1.67	7.16	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.6	1.42	4.58	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.17	1.42	6.07	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.17	1.39	5.45	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	225	—	—	3.63	µS/cm	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	—	3.63	µS/cm	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	223	—	—	3.63	µS/cm	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	222	—	—	3.63	µS/cm	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	237	—	—	1	µS/cm	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	1	µS/cm	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	243	—	—	1	µS/cm	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	241	—	—	1	µS/cm	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	91	—	—	1	µg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	95.7	—	—	1	µg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	93.4	—	—	1	µg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	102	—	—	1	µg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	103	—	—	1	µg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0871	0.128	0.483	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.28	0.116	0.473	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0555	0.121	0.488	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.14	0.128	0.479	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.057	0.128	0.48	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0754	0.139	0.494	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0852	0.0492	0.162	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0497	0.0428	0.155	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.43	—	—	0.133	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.83	—	—	0.133	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.79	—	—	0.133	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.12	—	—	0.133	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.43	—	—	0.133	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.34	—	—	0.133	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.44	—	—	0.133	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.41	—	—	0.133	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	—	3.4	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	200	—	—	3.4	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	3.4	mg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	194	—	—	3.4	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	201	—	—	3.4	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	184	—	—	3.4	mg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	199	—	—	3.4	mg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0815	—	—	0.02	mg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0739	—	—	0.017	mg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0558	—	—	0.017	mg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0793	—	—	0.017	mg/L	Y	—	U	2014-4488	CALA-14-86028	GELC
R-6i	602	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0512	—	—	0.017	mg/L	Y	—	NQ	2013-1614	CALA-13-39213	GELC
R-6i	602	08/12/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.333	—	—	0.017	mg/L	Y	—	NQ	2013-1614	CALA-13-39178	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.101	—	—	0.017	mg/L	Y	—	U	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0821	—	—	0.017	mg/L	Y	—	U	12-1518	CALA-12-22803	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1990	110	195	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	2180	115	161	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2250	117	161	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2420	117	153	—	pCi/L	Y	—	NQ	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2280	86.1	192	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	2060	82.5	188	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2550	100	129	—	pCi/L	Y	—	NQ	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	2630	102	131	—	pCi/L	Y	—	NQ	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.388	—	—	0.067	µg/L	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.443	—	—	0.067	µg/L	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.423	—	—	0.067	µg/L	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.34	—	—	0.067	µg/L	Y	—	NQ	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.352	—	—	0.067	µg/L	Y	—	NQ	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.377	—	—	0.067	µg/L	Y	—	NQ	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.448	—	—	0.067	µg/L	Y	—	NQ	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.382	0.0316	0.0904	—	pCi/L	Y	—	NQ	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.384	0.0328	0.115	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.424	0.0319	0.0951	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.377	0.0304	0.0502	—	pCi/L	Y	—	NQ	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.423	0.0315	0.0488	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.406	0.0321	0.0504	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.361	0.0335	0.0753	—	pCi/L	Y	—	NQ	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.369	0.0325	0.0681	—	pCi/L	Y	—	NQ	12-1518	CALA-12-22801	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-6i	602	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0661	0.0159	0.0867	—	pCi/L	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0135	0.00825	0.0811	—	pCi/L	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.039	0.0131	0.0671	—	pCi/L	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0171	0.00903	0.0368	—	pCi/L	Y	U	U	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00556	0.00681	0.0299	—	pCi/L	Y	U	U	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00287	0.00759	0.0309	—	pCi/L	Y	U	U	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00697	0.0486	—	pCi/L	Y	U	U	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00946	0.00705	0.044	—	pCi/L	Y	U	U	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.214	0.0231	0.0903	—	pCi/L	Y	—	J	2016-2159	CALA-16-124856	GELC
R-6i	602	09/10/15	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.147	0.0211	0.107	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602	09/10/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.153	0.0199	0.0882	—	pCi/L	Y	—	NQ	2015-2329	CALA-15-103992	GELC
R-6i	602	09/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.143	0.0193	0.0291	—	pCi/L	Y	—	NQ	2014-4488	CALA-14-86017	GELC
R-6i	602	08/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.117	0.0168	0.0424	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39195	GELC
R-6i	602	08/12/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.018	0.0437	—	pCi/L	Y	—	NQ	2013-1614	CALA-13-39176	GELC
R-6i	602	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.124	0.0195	0.0382	—	pCi/L	Y	—	NQ	12-1518	CALA-12-22822	GELC
R-6i	602	08/27/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.0189	0.0346	—	pCi/L	Y	—	NQ	12-1518	CALA-12-22801	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.07	—	—	1	µg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.4	—	—	1	µg/L	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.36	—	—	1	µg/L	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.69	—	—	1	µg/L	Y	J	J	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.43	—	—	1	µg/L	Y	J	J	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.19	—	—	1	µg/L	Y	J	J	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.87	—	—	1	µg/L	Y	J	J	11-1673	CALA-11-5163	GELC
R-6i	602	08/23/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.53	—	—	3.3	µg/L	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602	09/10/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2329	CALA-15-104014	GELC
R-6i	602	09/10/15	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2329	CALA-15-103957	GELC
R-6i	602	09/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.5	—	—	3.3	µg/L	Y	J	J	2014-4488	CALA-14-86028	GELC
R-6i	602	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.92	—	—	3.3	µg/L	Y	J	J	12-1518	CALA-12-22831	GELC
R-6i	602	08/27/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.84	—	—	3.3	µg/L	Y	J	J	12-1518	CALA-12-22803	GELC
R-6i	602	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.35	—	—	3.3	µg/L	Y	J	J	11-1673	CALA-11-5163	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	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	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	—	—	0.01	SU	Y	H	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	J-	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.3	—	—	1.45	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.1	—	—	0.725	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.5	—	—	0.725	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.7	—	—	0.725	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.8	—	—	0.73	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.27	—	—	1.7	µg/L	Y	J	J	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.59	—	—	1.7	µg/L	Y	J	J	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.6	—	—	1.7	µg/L	Y	J	J	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.9	—	—	1	µg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.7	—	—	1	µg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	22.8	—	—	1	µg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.8	—	—	1	µg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.6	—	—	15	µg/L	Y	J	J	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	—	—	15	µg/L	Y	J	J	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.2	—	—	15	µg/L	Y	J	J	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.4	—	—	15	µg/L	Y	J	J	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	17.2	—	—	15	µg/L	Y	J	J	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.7	—	—	0.05	mg/L	Y	—	J+	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.45	—	—	0.067	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.42	—	—	0.067	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.38	—	—	0.067	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.4	—	—	0.067	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.37	—	—	0.066	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.34	—	—	3	µg/L	Y	J	J	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.46	—	—	2	µg/L	Y	J	J	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.42	—	—	2	µg/L	Y	J	J	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.414	—	—	0.033	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.449	—	—	0.033	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.479	—	—	0.033	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.477	—	—	0.033	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.451	—	—	0.033	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.2	—	—	0.453	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.7	—	—	0.453	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.9	—	—	0.453	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.1	—	—	0.453	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.1	—	—	0.45	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.6	—	—	0.11	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.65	—	—	0.11	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.83	—	—	0.11	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.66	—	—	0.11	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.55	—	—	0.11	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.3	µg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.6	—	—	0.165	µg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.8	—	—	0.165	µg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.66	—	—	0.165	µg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.17	µg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	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	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.519	—	—	0.017	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.511	—	—	0.017	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.587	—	—	0.017	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.468	—	—	0.05	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.33	—	—	0.05	µg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.318	—	—	0.05	µg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.322	—	—	0.05	µg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.328	—	—	0.05	µg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.344	—	—	0.05	µg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.97	—	—	0.05	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.97	—	—	0.05	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.99	—	—	0.05	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.04	—	—	0.05	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.2	—	—	0.053	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	58.1	—	—	0.053	mg/L	Y	—	J-	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.1	—	—	0.053	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	58	—	—	0.053	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.6	—	—	0.053	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.15	—	—	0.1	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.05	—	—	0.1	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.73	—	—	0.1	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.06	—	—	0.1	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.33	—	—	0.1	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	3.63	µS/cm	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	12300	—	—	1	µS/cm	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	146	—	—	1	µS/cm	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.8	—	—	1	µg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.6	—	—	1	µg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	91.7	—	—	1	µg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	88	—	—	1	µg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	88.8	—	—	1	µg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.52	—	—	0.133	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.39	—	—	0.133	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.39	—	—	0.133	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.3	—	—	0.133	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.42	—	—	0.1	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	125	—	—	2.4	mg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.251	—	—	0.067	µg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.297	—	—	0.067	µg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.302	—	—	0.067	µg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.277	—	—	0.067	µg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.261	—	—	0.067	µg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.8	—	—	1	µg/L	Y	—	NQ	2016-2317	CALA-16-124873	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.8	—	—	1	µg/L	Y	—	NQ	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	14.1	—	—	1	µg/L	Y	—	NQ	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13.1	—	—	1	µg/L	Y	—	NQ	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	12.9	—	—	1	µg/L	Y	—	NQ	11-1668	CALA-11-5179	GELC
R-8 S1	705.31	08/31/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.82	—	—	3.3	µg/L	Y	J	J	2016-2317	CALA-16-124873	GELC
R-8 S1	705.31	09/24/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-2374	CALA-15-104015	GELC
R-8 S1	705.31	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.17	—	—	3.3	µg/L	Y	J	J	2013-1614	CALA-13-39214	GELC
R-8 S1	705.31	09/04/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	4.77	—	—	3.3	µg/L	Y	J	J	12-1534	CALA-12-22901	GELC
R-8 S1	705.31	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-1668	CALA-11-5179	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.81	—	—	0.01	SU	Y	H	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.62	—	—	0.01	SU	Y	H	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.66	—	—	0.01	SU	Y	H	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	9.03	—	—	0.01	SU	Y	H	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.68	—	—	0.01	SU	Y	H	J-	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	16.1	—	—	1.45	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.13	—	—	0.725	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.44	—	—	0.725	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.44	—	—	0.725	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	8.42	—	—	0.73	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.3	—	—	1.45	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.7	—	—	0.725	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.7	—	—	0.725	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.8	—	—	0.725	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87.4	—	—	0.73	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.15	—	—	1.7	µg/L	Y	J	J	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.38	—	—	1.7	µg/L	Y	J	J	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.73	—	—	1.7	µg/L	Y	J	J	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.51	—	—	1.7	µg/L	Y	J	J	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.75	—	—	1.7	µg/L	Y	J	J	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	161	—	—	1	µg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	194	—	—	1	µg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	192	—	—	1	µg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	198	—	—	1	µg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	164	—	—	1	µg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.7	—	—	15	µg/L	Y	J	J	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	35.4	—	—	15	µg/L	Y	J	J	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	32.5	—	—	15	µg/L	Y	J	J	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	31.8	—	—	15	µg/L	Y	J	J	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	34.8	—	—	15	µg/L	Y	J	J	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0693	—	—	0.067	mg/L	Y	J	J	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	—	—	0.05	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.2	—	—	0.05	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.8	—	—	0.05	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.38	—	—	0.067	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.53	—	—	0.067	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.69	—	—	0.067	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.48	—	—	0.067	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.57	—	—	0.066	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.55	—	—	3	µg/L	Y	J	J	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.75	—	—	2	µg/L	Y	J	J	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.2	—	—	2	µg/L	Y	J	J	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.86	—	—	2	µg/L	Y	J	J	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.03	—	—	2	µg/L	Y	J	J	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.282	—	—	0.033	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.377	—	—	0.033	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.361	—	—	0.033	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.351	—	—	0.033	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.6	—	—	0.453	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.4	—	—	0.453	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.2	—	—	0.453	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.1	—	—	0.453	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.1	—	—	0.45	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.52	—	—	0.11	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.99	—	—	0.11	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.15	—	—	0.11	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.02	—	—	0.11	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.76	—	—	0.11	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.14	—	—	0.3	µg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.165	µg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.165	µg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.19	—	—	0.17	µg/L	Y	—	J	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.487	—	—	0.085	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	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	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.49	—	—	0.017	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.482	—	—	0.017	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.565	—	—	0.05	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.416	—	—	0.05	µg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.424	—	—	0.05	µg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.443	—	—	0.05	µg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.423	—	—	0.05	µg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.431	—	—	0.05	µg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.13	—	—	0.05	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.19	—	—	0.05	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.12	—	—	0.05	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.7	—	—	0.05	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.06	—	—	0.05	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.8	—	—	0.053	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.6	—	—	0.053	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.4	—	—	0.053	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.4	—	—	0.053	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.1	—	—	0.1	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.5	—	—	0.1	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17	—	—	0.1	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.9	—	—	0.1	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	—	—	3.63	µS/cm	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	214	—	—	1	µS/cm	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	1	µS/cm	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	µS/cm	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	194	—	—	1	µS/cm	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	140	—	—	1	µg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	138	—	—	1	µg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	153	—	—	1	µg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	175	—	—	1	µg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	144	—	—	1	µg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.75	—	—	0.133	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.04	—	—	0.133	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.19	—	—	0.133	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.74	—	—	0.133	mg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.19	—	—	0.1	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	191	—	—	3.4	mg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	J	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	—	—	2.4	mg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0756	—	—	0.02	mg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	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	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0494	—	—	0.017	mg/L	Y	J	J	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0677	—	—	0.017	mg/L	Y	—	U	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0813	—	—	0.015	mg/L	Y	—	U	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.458	—	—	0.067	µg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.705	—	—	0.067	µg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.811	—	—	0.067	µg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.684	—	—	0.067	µg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.659	—	—	0.067	µg/L	Y	—	NQ	11-1695	CALA-11-5182	GELC
R-8 S2	821	09/01/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.4	—	—	1	µg/L	Y	—	NQ	2016-2335	CALA-16-124874	GELC
R-8 S2	821	09/25/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.2	—	—	1	µg/L	Y	—	NQ	2015-2376	CALA-15-104016	GELC
R-8 S2	821	08/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	2013-1614	CALA-13-39215	GELC
R-8 S2	821	09/05/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	10.5	—	—	1	µg/L	Y	—	NQ	12-1540	CALA-12-22902	GELC
R-8 S2	821	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	12.6	—	—	1	µg/L	Y	—	J	11-1695	CALA-11-5182	GELC
R-9	683	08/25/16	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	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	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	2015-2345	CALA-15-104017	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9	683	09/05/14	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	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	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	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	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	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	—	1.45	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	109	—	—	0.725	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.725	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	0.725	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	112	—	—	0.725	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0505	0.0266	0.138	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00255	0.00845	0.041	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00988	0.00699	0.0317	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0087	0.00649	0.0243	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00754	0.00462	0.0261	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.87	—	—	1.7	µg/L	Y	J	J	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.03	—	—	1.7	µg/L	Y	J	J	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.94	—	—	1.7	µg/L	Y	J	J	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.42	—	—	1.7	µg/L	Y	J	J	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	10.1	—	—	1	µg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	176	—	—	1	µg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	167	—	—	1	µg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	180	—	—	1	µg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	171	—	—	1	µg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0764	—	—	0.067	mg/L	Y	J	J	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0785	—	—	0.067	mg/L	Y	J	J	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	7.11	—	—	0.05	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.5	—	—	0.05	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.7	—	—	0.05	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.3	—	—	0.05	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.9	—	—	0.05	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0228	1.05	3.56	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.14	1.75	6.48	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.52	1.75	5.98	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.51	1.97	5.21	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.32	1.8	6.94	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.2	—	—	0.067	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.77	—	—	0.067	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.84	—	—	0.067	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.17	—	—	0.067	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.28	—	—	0.067	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	—	2	µg/L	Y	J	J	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.31	—	—	2	µg/L	Y	J	J	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.29	—	—	2	µg/L	Y	J	J	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.97	—	—	2	µg/L	Y	J	J	2013-1525	CALA-13-39216	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.66	—	—	2	µg/L	Y	J	J	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.1	1.88	4.13	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0085	1.18	4.68	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.627	1.67	6.11	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0399	2.07	7.59	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.47	1.6	6.51	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.205	—	—	0.033	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	—	0.033	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.214	—	—	0.033	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.252	—	—	0.033	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.27	—	—	0.033	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.61	0.461	1.39	—	pCi/L	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.1	0.967	2.91	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.55	0.909	2.88	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.604	0.73	2.74	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.29	0.667	1.83	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.81	1.06	2.66	—	pCi/L	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	0.429	1.24	—	pCi/L	Y	—	NQ	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.29	0.446	1.25	—	pCi/L	Y	—	NQ	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.36	0.794	2.6	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.25	0.794	2.51	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	25.9	—	—	0.453	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.8	—	—	0.453	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.9	—	—	0.453	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.3	—	—	0.453	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.98	—	—	0.11	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.95	—	—	0.11	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.97	—	—	0.11	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.23	—	—	0.11	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.82	—	—	0.11	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.165	µg/L	Y	—	J	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.165	µg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.41	—	—	0.165	µg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.165	µg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.523	1.87	6.31	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.76	2.77	9.6	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.75	4.1	11.1	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.95	3	10.2	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.526	3.04	10.7	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.705	—	—	—	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.83	—	—	0.085	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.864	—	—	0.017	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.98	—	—	0.085	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.899	—	—	0.017	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.993	—	—	0.1	µg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9	683	09/16/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.05	—	—	0.1	µg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.34	—	—	0.1	µg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.3	—	—	0.1	µg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.16	—	—	0.1	µg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00461	0.0103	0.081	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00479	0.00757	0.048	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.006	0.00849	0.0411	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00514	0.00813	0.023	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00406	0.0289	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00921	0.013	0.102	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00239	0.00987	0.0429	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.006	0.00848	0.0505	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0103	0.00727	0.0345	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00287	0.00641	0.0339	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.08	—	—	0.05	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.92	—	—	0.05	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.76	—	—	0.05	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.77	—	—	0.05	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.62	—	—	0.05	mg/L	Y	E	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.9	18.2	32	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.8	15.9	59.4	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.3	21.8	87	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.5	28.3	60.5	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	24.1	29.3	73.1	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.5	—	—	0.053	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	—	0.053	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.2	—	—	0.053	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.1	—	—	0.053	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.26	—	—	0.1	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	—	0.1	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.9	—	—	0.1	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.6	—	—	0.1	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.683	0.868	2.94	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.17	1.37	5.66	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.63	1.6	6.67	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.27	1.53	5.7	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.65	1.72	5.91	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	—	3.63	µS/cm	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	240	—	—	1	µS/cm	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	237	—	—	3.63	µS/cm	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	253	—	—	1	µS/cm	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	250	—	—	1	µS/cm	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.5	—	—	1	µg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	183	—	—	1	µg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	179	—	—	1	µg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	186	—	—	1	µg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	177	—	—	1	µg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.149	0.124	0.481	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.19	0.116	0.487	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.314	0.124	0.489	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.168	0.127	0.467	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.112	0.125	0.429	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.14	—	—	0.133	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.46	—	—	0.133	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.71	—	—	0.133	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.18	—	—	0.133	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.24	—	—	0.133	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	—	3.4	mg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	196	—	—	3.4	mg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	—	—	3.4	mg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0609	—	—	0.033	mg/L	Y	J	J	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0336	—	—	0.033	mg/L	Y	J	J	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0401	—	—	0.033	mg/L	Y	J	J	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0489	—	—	0.02	mg/L	Y	J	J	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	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	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	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	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0494	—	—	0.017	mg/L	Y	J	U	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-135	45.2	180	—	pCi/L	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-11	43.3	160	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-7.05	41.8	154	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	28.2	51	171	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	65.7	49	165	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.67	—	—	0.067	µg/L	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683	09/16/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.71	—	—	0.067	µg/L	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683	09/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.43	—	—	0.067	µg/L	Y	—	NQ	2014-4492	CALA-14-86029	GELC
R-9	683	08/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.83	—	—	0.067	µg/L	Y	—	NQ	2013-1525	CALA-13-39216	GELC
R-9	683	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.78	—	—	0.067	µg/L	Y	—	NQ	12-1543	CALA-12-22903	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.28	0.0562	0.091	—	pCi/L	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.18	0.0606	0.127	—	pCi/L	Y	—	NQ	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.03	0.0524	0.057	—	pCi/L	Y	—	NQ	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.813	0.049	0.0637	—	pCi/L	Y	—	J	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.08	0.0502	0.0599	—	pCi/L	Y	—	NQ	12-1543	CALA-12-22897	GELC
R-9	683	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.127	0.021	0.0872	—	pCi/L	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.052	0.0148	0.0894	—	pCi/L	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.026	0.0122	0.0419	—	pCi/L	Y	U	U	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0145	0.0103	0.039	—	pCi/L	Y	U	U	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.0113	0.0254	—	pCi/L	Y	U	U	12-1543	CALA-12-22897	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9	683	08/25/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.7	0.0417	0.0909	—	pCi/L	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683	09/16/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.576	0.0422	0.117	—	pCi/L	Y	—	NQ	2015-2345	CALA-15-103995	GELC
R-9	683	09/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.502	0.0369	0.0331	—	pCi/L	Y	—	NQ	2014-4492	CALA-14-86018	GELC
R-9	683	08/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.352	0.0324	0.0553	—	pCi/L	Y	—	J	2013-1525	CALA-13-39198	GELC
R-9	683	09/06/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.493	0.0333	0.0298	—	pCi/L	Y	—	NQ	12-1543	CALA-12-22897	GELC
R-9i S1	189.1	09/07/16	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	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	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	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	0.01	SU	Y	H	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	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	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	J-	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76	—	—	1.45	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.9	—	—	0.725	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.7	—	—	0.725	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.6	—	—	0.725	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59	—	—	0.73	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	56.6	—	—	1	µg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	53	—	—	1	µg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	60	—	—	1	µg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	53.2	—	—	1	µg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	60.4	—	—	1	µg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.6	—	—	15	µg/L	Y	J	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.7	—	—	15	µg/L	Y	J	J	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.8	—	—	15	µg/L	Y	J	J	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	19.9	—	—	15	µg/L	Y	J	J	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.4	—	—	15	µg/L	Y	J	J	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.122	—	—	0.067	mg/L	Y	J	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.134	—	—	0.067	mg/L	Y	J	J	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.125	—	—	0.067	mg/L	Y	J	J	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.152	—	—	0.067	mg/L	Y	J	J	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.147	—	—	0.066	mg/L	Y	J	J	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.4	—	—	0.05	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.5	—	—	0.05	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	24.2	—	—	0.05	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.9	—	—	0.05	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.3	—	—	0.67	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.1	—	—	0.67	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.2	—	—	0.67	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	40.5	—	—	0.335	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.6	—	—	0.66	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	2.39	—	—	1	µg/L	Y	J	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.1	—	—	1	µg/L	Y	J	J	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.45	—	—	1	µg/L	Y	J	J	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.78	—	—	3	µg/L	Y	J	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	3.17	—	—	3	µg/L	Y	J	J	2015-2363	CALA-15-104018	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	8.73	—	—	3	µg/L	Y	J	J	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.451	—	—	0.033	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.377	—	—	0.033	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.425	—	—	0.033	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.331	—	—	0.033	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.325	—	—	0.033	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	93.1	—	—	0.453	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	94.7	—	—	0.453	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	96.9	—	—	0.453	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87	—	—	0.453	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.8	—	—	0.45	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	36	—	—	30	µg/L	Y	J	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	55.5	—	—	30	µg/L	Y	J	J	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	84.7	—	—	30	µg/L	Y	J	J	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	142	—	—	30	µg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.4	—	—	0.11	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.72	—	—	0.11	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.84	—	—	0.11	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.85	—	—	0.11	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.66	—	—	0.11	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	253	—	—	2	µg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	9.49	—	—	2	µg/L	Y	J	J	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	251	—	—	2	µg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	215	—	—	2	µg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	160	—	—	2	µg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.45	—	—	0.3	µg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	8.09	—	—	0.165	µg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	9.45	—	—	0.165	µg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	8.56	—	—	0.165	µg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	11	—	—	0.17	µg/L	Y	—	J	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	179	—	—	0.5	µg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	141	—	—	2.5	µg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	74.7	—	—	0.5	µg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	93.8	—	—	0.5	µg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	117	—	—	0.5	µg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0409	—	—	0.017	mg/L	Y	J	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.218	—	—	0.017	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	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	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0207	—	—	0.017	mg/L	Y	J	J	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.9	—	—	0.05	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.84	—	—	0.05	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.77	—	—	0.05	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.45	—	—	0.05	mg/L	Y	E	NQ	12-1543	CALA-12-22904	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	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-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	4.48	—	—	0.05	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	33.7	—	—	0.053	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	34.3	—	—	0.053	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.7	—	—	0.053	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	32.2	—	—	0.053	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	31.3	—	—	0.053	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	22.3	—	—	0.1	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	23.2	—	—	0.1	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.4	—	—	0.1	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.1	—	—	0.1	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.3	—	—	0.1	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	310	—	—	3.63	µS/cm	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	275	—	—	1	µS/cm	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	306	—	—	1	µS/cm	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	310	—	—	1	µS/cm	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	301	—	—	1	µS/cm	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	140	—	—	1	µg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	128	—	—	1	µg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	141	—	—	1	µg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	133	—	—	1	µg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	130	—	—	1	µg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.9	—	—	0.133	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.4	—	—	0.133	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.8	—	—	0.133	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	—	—	0.133	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13	—	—	0.1	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	200	—	—	3.4	mg/L	Y	—	J	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	182	—	—	2.4	mg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.06	—	—	0.33	mg/L	Y	—	NQ	2016-2383	CALA-16-124860	GELC
R-9i S1	189.1	09/21/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.17	—	—	0.33	mg/L	Y	—	NQ	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/08/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.72	—	—	0.33	mg/L	Y	—	NQ	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/06/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.26	—	—	0.33	mg/L	Y	—	NQ	12-1543	CALA-12-22898	GELC
R-9i S1	189.1	03/17/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.05	—	—	0.33	mg/L	Y	—	NQ	11-1696	CALA-11-5106	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0834	—	—	0.02	mg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0404	—	—	0.017	mg/L	Y	J	J	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0615	—	—	0.017	mg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0451	—	—	0.017	mg/L	Y	J	U	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0342	—	—	0.015	mg/L	Y	J	U	11-1696	CALA-11-5107	GELC
R-9i S1	189.1	09/07/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.97	—	—	0.067	µg/L	Y	—	NQ	2016-2383	CALA-16-124876	GELC
R-9i S1	189.1	09/21/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.3	—	—	0.067	µg/L	Y	—	NQ	2015-2363	CALA-15-104018	GELC
R-9i S1	189.1	08/08/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	2013-1580	CALA-13-39217	GELC
R-9i S1	189.1	09/06/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.955	—	—	0.067	µg/L	Y	—	NQ	12-1543	CALA-12-22904	GELC
R-9i S1	189.1	03/17/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.07	—	—	0.067	µg/L	Y	—	NQ	11-1696	CALA-11-5107	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.21	—	—	0.01	SU	Y	H	NQ	2016-2135	CALA-16-124877	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	—	—	0.01	SU	Y	H	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	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	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.45	—	—	0.01	SU	Y	H	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.3	—	—	0.01	SU	Y	H	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	—	1.45	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98	—	—	0.725	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.8	—	—	0.725	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.2	—	—	0.725	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.3	—	—	0.725	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00291	0.0065	0.0478	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0081	0.00641	0.0326	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0138	0.0103	0.0582	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00486	0.00688	0.0204	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00244	0.00545	0.0334	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.75	—	—	1.7	µg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.11	—	—	1.7	µg/L	Y	J	J	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1698	CALA-11-5167	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42.2	—	—	1	µg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.9	—	—	1	µg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42.8	—	—	1	µg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	41.2	—	—	1	µg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.8	—	—	1	µg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	40.6	—	—	1	µg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.6	—	—	15	µg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.7	—	—	15	µg/L	Y	J	J	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.8	—	—	15	µg/L	Y	J	J	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.5	—	—	15	µg/L	Y	J	J	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	29.4	—	—	15	µg/L	Y	J	J	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	28.7	—	—	15	µg/L	Y	J	J	11-1698	CALA-11-5167	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.73	—	—	0.067	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.81	—	—	0.067	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.88	—	—	0.067	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.9	—	—	0.067	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.8	—	—	0.067	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	42.5	—	—	0.05	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	40	—	—	0.05	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	39.5	—	—	0.05	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.9	—	—	0.05	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	35.5	—	—	0.05	mg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.1	—	—	0.05	mg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.721	0.883	3.34	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0228	1.07	3.94	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.14	2.56	4.14	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.25	1.69	5.76	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.04	1.75	6	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.9	—	—	0.67	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.1	—	—	0.335	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	36	—	—	0.67	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.6	—	—	0.67	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	30.7	—	—	0.335	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.22	—	—	2	µg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	4.68	—	—	2	µg/L	Y	J	U	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	4.42	—	—	2	µg/L	Y	J	U	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.38	—	—	2	µg/L	Y	J	J	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.25	—	—	2	µg/L	Y	J	J	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.2	—	—	2	µg/L	Y	J	J	11-1698	CALA-11-5167	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.162	0.767	2.93	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.539	1.01	3.93	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.097	1.13	3.79	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.692	1.66	6.59	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.042	1.22	4.81	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.4	—	—	3	µg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.73	—	—	3	µg/L	Y	J	J	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	3.46	—	—	3	µg/L	Y	J	J	11-1698	CALA-11-5167	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0804	—	—	0.033	mg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.123	—	—	0.033	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0959	—	—	0.033	mg/L	Y	J	J	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.166	—	—	0.033	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.138	—	—	0.033	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.07	0.849	2.91	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0877	0.673	2.95	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.997	0.835	2.93	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.22	0.563	2.76	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.1	0.876	2.17	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.92	0.945	2.49	—	pCi/L	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.66	0.884	2.32	—	pCi/L	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.57	0.421	1.11	—	pCi/L	Y	—	NQ	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	0.921	2.48	—	pCi/L	Y	—	NQ	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.24	0.809	1.95	—	pCi/L	Y	—	J	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	141	—	—	0.453	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	134	—	—	0.453	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	132	—	—	0.453	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	131	—	—	0.453	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	119	—	—	0.45	mg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	124	—	—	0.45	mg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.45	—	—	0.11	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.3	—	—	0.11	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.2	—	—	0.11	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.24	—	—	0.11	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.31	—	—	0.11	mg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.68	—	—	0.11	mg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.29	—	—	2	µg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.56	—	—	2	µg/L	Y	J	J	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.95	—	—	2	µg/L	Y	J	J	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.09	—	—	2	µg/L	Y	J	J	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.58	—	—	2	µg/L	Y	J	J	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.22	—	—	2	µg/L	Y	J	J	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	163	—	—	0.165	µg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	160	—	—	0.33	µg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	175	—	—	0.825	µg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	122	—	—	0.825	µg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	107	—	—	0.17	µg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	105	—	—	0.17	µg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.438	1.62	5.95	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.17	2.54	8.61	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.28	2.35	8.05	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0781	3.09	10.7	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.51	2.92	9.74	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	13.5	—	—	0.5	µg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.7	—	—	0.5	µg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.45	—	—	0.5	µg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.66	—	—	0.5	µg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	12.4	—	—	0.5	µg/L	Y	—	J	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	11.4	—	—	0.5	µg/L	Y	—	J	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	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	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.04	—	—	0.017	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.017	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	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	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.08	—	—	0.085	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.587	—	—	0.05	µg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.604	—	—	0.05	µg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.579	—	—	0.05	µg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.602	—	—	0.05	µg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.631	—	—	0.05	µg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00202	0.00533	0.0354	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00198	0.00713	0.0396	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00285	0.00638	0.0391	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00276	0.00478	0.0247	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00478	0.00585	0.0241	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00202	0.00668	0.0445	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00395	0.00739	0.0354	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00855	0.0131	0.048	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00552	0.037	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00239	0.00414	0.0282	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.58	—	—	0.05	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.52	—	—	0.05	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.7	—	—	0.05	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.65	—	—	0.05	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5	—	—	0.05	mg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	5.21	—	—	0.05	mg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.6	18.5	31.9	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.7	15.3	40	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.24	18.7	60.1	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.7	19.4	77.6	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	37.4	17.8	76.6	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.3	—	—	0.053	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.5	—	—	0.053	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.7	—	—	0.053	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.8	—	—	0.1	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.2	—	—	0.1	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.8	—	—	0.1	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	15.1	—	—	0.1	mg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.562	0.728	2.65	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.35	1.21	4.66	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.51	1.26	4.59	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.806	1.66	6.63	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-4.11	1.65	4.97	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	360	—	—	3.63	µS/cm	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	348	—	—	3.63	µS/cm	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	337	—	—	3.63	µS/cm	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	356	—	—	1	µS/cm	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	352	—	—	1	µS/cm	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	228	—	—	1	µg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	180	—	—	1	µg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	220	—	—	1	µg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	213	—	—	1	µg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	200	—	—	1	µg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	191	—	—	1	µg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00983	0.133	0.497	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.169	0.12	0.478	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.276	0.125	0.486	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0981	0.141	0.491	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0277	0.051	0.18	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.6	—	—	1.33	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.2	—	—	0.665	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20	—	—	1.33	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	19.9	—	—	1.33	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.1	—	—	0.133	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC

TA-21 Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	281	—	—	3.4	mg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	—	3.4	mg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	277	—	—	3.4	mg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	237	—	—	3.4	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	233	—	—	3.4	mg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.24	—	—	0.33	mg/L	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.12	—	—	0.33	mg/L	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.34	—	—	0.33	mg/L	Y	—	NQ	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	3.36	—	—	0.33	mg/L	Y	—	NQ	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.24	—	—	0.33	mg/L	Y	—	NQ	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0409	—	—	0.02	mg/L	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	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	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/09/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0683	—	—	0.017	mg/L	Y	—	NQ	2013-1581	CALA-13-39219	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0457	—	—	0.017	mg/L	Y	J	U	12-1519	CALA-12-22832	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	49	56.6	193	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	124	50.5	159	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	207	53.1	154	—	pCi/L	Y	—	NQ	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	184	59.6	192	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	281	46.8	126	—	pCi/L	Y	—	NQ	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	—	0.067	µg/L	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600	09/08/15	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.13	—	—	0.067	µg/L	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600	09/10/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	2014-4529	CALA-14-86030	GELC
TA-53i	600	08/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.887	—	—	0.067	µg/L	Y	—	NQ	12-1519	CALA-12-22832	GELC
TA-53i	600	03/18/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.886	—	—	0.067	µg/L	Y	—	NQ	11-1698	CALA-11-5167	GELC
TA-53i	600	03/18/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.878	—	—	0.067	µg/L	Y	—	NQ	11-1698	CALA-11-5169	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.813	0.0417	0.0767	—	pCi/L	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.871	0.0411	0.08	—	pCi/L	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.725	0.0588	0.0996	—	pCi/L	Y	—	NQ	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.739	0.0415	0.0497	—	pCi/L	Y	—	J	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.755	0.0447	0.0682	—	pCi/L	Y	—	NQ	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.023	0.00988	0.0735	—	pCi/L	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0351	0.00965	0.0564	—	pCi/L	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00567	0.0127	0.0731	—	pCi/L	Y	U	U	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0226	0.00895	0.0304	—	pCi/L	Y	U	U	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0284	0.0105	0.044	—	pCi/L	Y	U	U	12-1519	CALA-12-22823	GELC
TA-53i	600	08/22/16	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.365	0.0281	0.0766	—	pCi/L	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600	09/08/15	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.347	0.0262	0.0741	—	pCi/L	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600	09/10/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.271	0.0376	0.0578	—	pCi/L	Y	—	NQ	2014-4529	CALA-14-86019	GELC
TA-53i	600	08/09/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.295	0.0262	0.0431	—	pCi/L	Y	—	J	2013-1581	CALA-13-39201	GELC
TA-53i	600	08/27/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.306	0.0287	0.0346	—	pCi/L	Y	—	NQ	12-1519	CALA-12-22823	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Intermediate	LAOI-3.2	153.3	08/24/2016	LCMS/MS Perchlorate[a]	Perchlorate	ClO4	F[b]	INIT[c]	REG[d]	Y[e]	4.46	0.5	µg/L	10	—[f]	NQ[g]	NQ	Y	SW-846:6850	GELC[h]	4	consent order	1.12
Intermediate	LAOI-3.2	153.3	08/24/2016	LCMS/MS Perchlorate	Perchlorate	ClO4	F	INIT	FD[i]	Y	4.78	0.5	µg/L	10	—	NQ	NQ	Y	SW-846:6850	GELC	4	consent order	1.20
Intermediate	LAOI-3.2a	181.4	08/30/2016	SVOC[j]	Benzo(a)anthracene	56-55-3	UF[k]	INIT	REG	Y	0.0899	0.0337	µg/L	1	J[l]	J-[m]	SV3a[n]	Y	SW-846:8270DGCMS_SIM	GELC	0.12	EPA TAP SCRN LVL[o]	0.75
Intermediate	LAOI-3.2a	181.4	08/30/2016	SVOC	Dibenz(a,h)anthracene	53-70-3	UF	INIT	REG	Y	0.0787	0.0337	µg/L	1	J	J-	SV3a	Y	SW-846:8270DGCMS_SIM	GELC	0.034	EPA TAP SCRN LVL	2.31
Intermediate	LAOI-3.2a	181.4	08/30/2016	LCMS/MS Perchlorate	Perchlorate	ClO4	F	INIT	REG	Y	2.55	0.25	µg/L	5	—	NQ	NQ	Y	SW-846:6850	GELC	4	consent order	0.64
Intermediate	R-6i	602	08/23/2016	LCMS/MS Perchlorate	Perchlorate	ClO4	F	INIT	REG	Y	6.26	0.5	µg/L	10	—	NQ	NQ	Y	SW-846:6850	GELC	4	consent order	1.57

[a] LCMS/MS = Liquid chromatography mass spectrometry/mass spectrometry.

[b] F = Filtered.

[c] INIT = Initial.

[d] REG = Regular.

[e] Y = Yes.

[f] — = None.

[g] NQ = Not qualified.

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

[i] FD = Field duplicate.

[j] SVOC = Semivolatile organic compound.

[k] UF = Unfiltered.

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

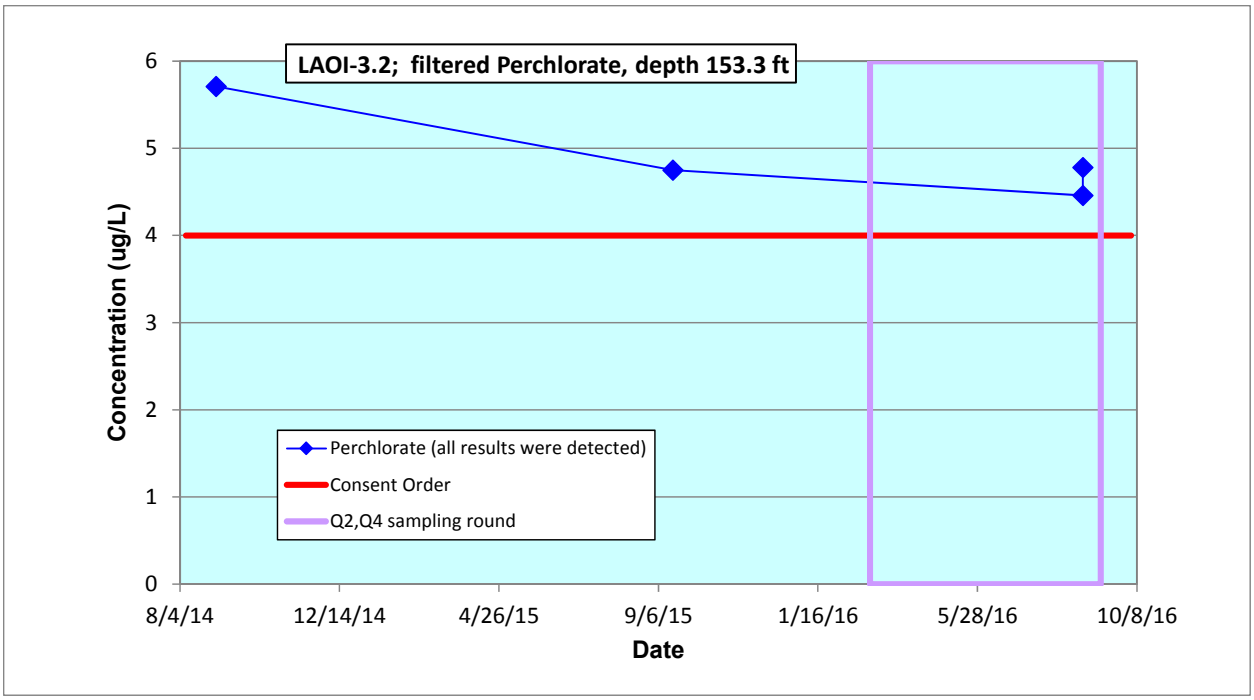
[m] J- = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

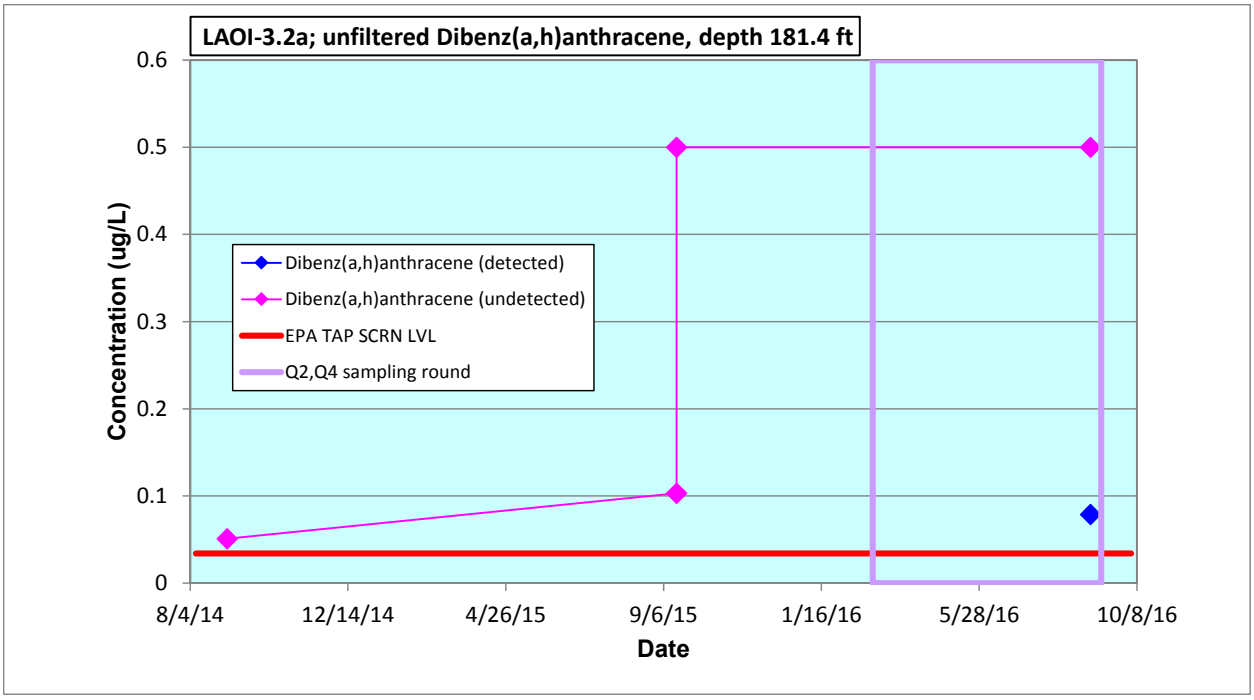
[n] SV3a = The surrogate is less than the lower acceptance limit but ≥10% recovery, which indicates the potential for a low bias in the results. Follow the external laboratory limits.

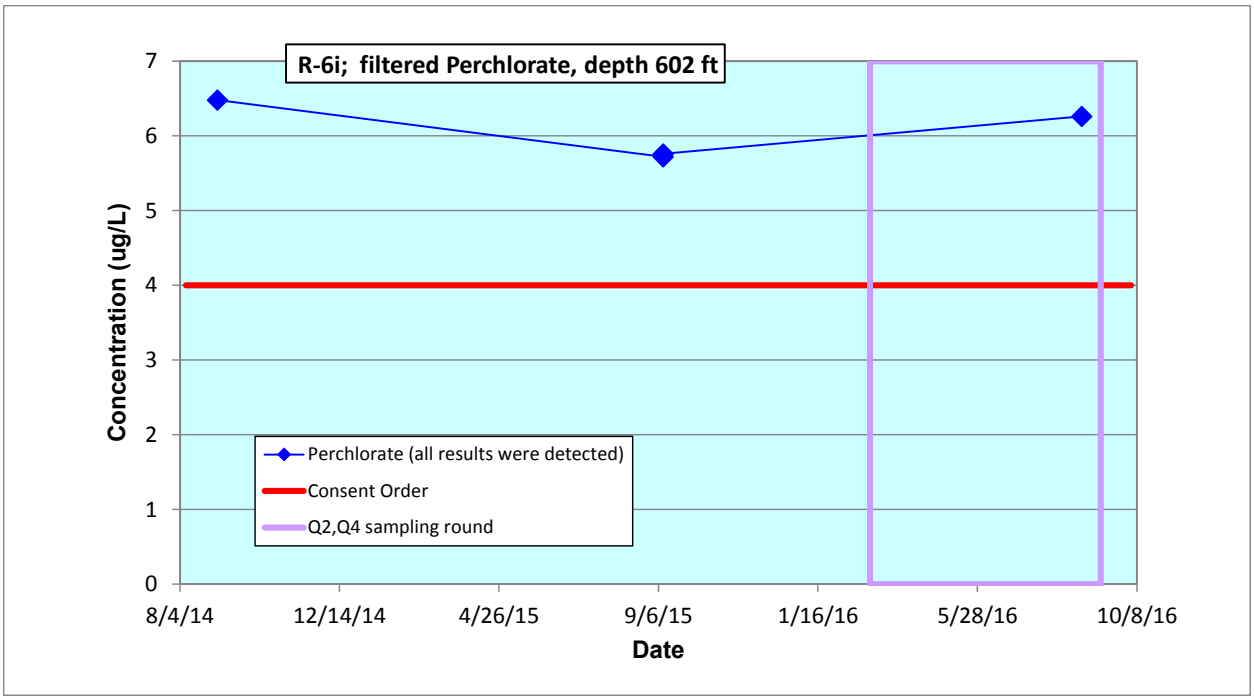
[o] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances


LAOI-3.2; filtered Perchlorate, depth 153.3 ft
Concentration (ug/L)
0
1
2
3
4
5
6
8/4/14
12/14/14
4/26/15
9/6/15
1/16/16
5/28/16
10/8/16
Date
Perchlorate (all results were detected)
Consent Order
Q2,Q4 sampling round


LAOI-3.2a; unfiltered Dibenz(a,h)anthracene, depth 181.4 ft
Concentration (ug/L)
0
0.1
0.2
0.3
0.4
0.5
0.6
8/4/14
12/14/14
4/26/15
9/6/15
1/16/16
5/28/16
10/8/16
Date
Dibenz(a,h)anthracene (detected)
Dibenz(a,h)anthracene (undetected)
EPA TAP SCRN LVL
Q2,Q4 sampling round


R-6i; filtered Perchlorate, depth 602 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8/4/14
12/14/14
4/26/15
9/6/15
1/16/16
5/28/16
10/8/16
Date
Perchlorate (all results were detected)
Consent Order
Q2,Q4 sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2015-2374	Inorganic	GELC[a]	CALA-15-103993	09/24/2015	R-8 S1	705.31	755.7
2015-2374	Inorganic	GELC	CALA-15-104015	09/24/2015	R-8 S1	705.31	755.7
2016-2135	Inorganic	GELC	CALA-16-124861	08/22/2016	TA-53i	600	610
2016-2135	Inorganic	GELC	CALA-16-124877	08/22/2016	TA-53i	600	610
2016-2135	Organic	GELC	CALA-16-124861	08/22/2016	TA-53i	600	610
2016-2135	RAD[b]	GELC	CALA-16-124861	08/22/2016	TA-53i	600	610
2016-2159	Inorganic	GELC	CALA-16-124853	08/23/2016	R-6	1205	1228
2016-2159	Inorganic	GELC	CALA-16-124856	08/23/2016	R-6i	602	612
2016-2159	Inorganic	GELC	CALA-16-124869	08/23/2016	R-6	1205	1228
2016-2159	Inorganic	GELC	CALA-16-124872	08/23/2016	R-6i	602	612
2016-2159	Organic	GELC	CALA-16-124853	08/23/2016	R-6	1205	1228
2016-2159	Organic	GELC	CALA-16-124856	08/23/2016	R-6i	602	612
2016-2159	RAD	GELC	CALA-16-124853	08/23/2016	R-6	1205	1228
2016-2159	RAD	GELC	CALA-16-124856	08/23/2016	R-6i	602	612
2016-2160	Inorganic	GELC	CALA-16-124867	08/23/2016	R-5 S2	372.8	388.8
2016-2160	Inorganic	GELC	CALA-16-124851	08/23/2016	R-5 S2	372.8	388.8
2016-2160	Organic	GELC	CALA-16-124851	08/23/2016	R-5 S2	372.8	388.8
2016-2178	Inorganic	GELC	CALA-16-124868	08/24/2016	R-5 S3	676.9	720.3
2016-2178	Inorganic	GELC	CALA-16-124852	08/24/2016	R-5 S3	676.9	720.3
2016-2178	Organic	GELC	CALA-16-124852	08/24/2016	R-5 S3	676.9	720.3
2016-2179	Inorganic	GELC	CALA-16-124828	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	Inorganic	GELC	CALA-16-124829	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	Inorganic	GELC	CALA-16-124848	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	Inorganic	GELC	CALA-16-124864	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	Organic	GELC	CALA-16-124848	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	Organic	GELC	CALA-16-124828	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	RAD	GELC	CALA-16-124828	08/24/2016	LAOI-3.2	153.3	162.8
2016-2179	RAD	GELC	CALA-16-124848	08/24/2016	LAOI-3.2	153.3	162.8
2016-2197	Inorganic	GELC	CALA-16-124859	08/25/2016	R-9	683	748.5
2016-2197	Inorganic	GELC	CALA-16-124875	08/25/2016	R-9	683	748.5
2016-2197	Organic	GELC	CALA-16-124859	08/25/2016	R-9	683	748.5
2016-2197	RAD	GELC	CALA-16-124859	08/25/2016	R-9	683	748.5
2016-2199	Inorganic	GELC	CALA-16-124863	08/25/2016	LAOI(a)-1.1	295.2	305
2016-2199	Inorganic	GELC	CALA-16-124847	08/25/2016	LAOI(a)-1.1	295.2	305
2016-2199	Organic	GELC	CALA-16-124847	08/25/2016	LAOI(a)-1.1	295.2	305
2016-2199	RAD	GELC	CALA-16-124847	08/25/2016	LAOI(a)-1.1	295.2	305
2016-2254	Inorganic	GELC	CALA-16-124870	08/29/2016	R-64	1285	1305.5
2016-2254	Inorganic	GELC	CALA-16-124854	08/29/2016	R-64	1285	1305.5

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-2254	Organic	GELC	CALA-16-124854	08/29/2016	R-64	1285	1305.5
2016-2254	RAD	GELC	CALA-16-124854	08/29/2016	R-64	1285	1305.5
2016-2284	Inorganic	GELC	CALA-16-124871	08/30/2016	R-66	819.4	839.7
2016-2284	Inorganic	GELC	CALA-16-124855	08/30/2016	R-66	819.4	839.7
2016-2284	Inorganic	GELC	CALA-16-124849	08/30/2016	LAOI-3.2a	181.4	191
2016-2284	Inorganic	GELC	CALA-16-124865	08/30/2016	LAOI-3.2a	181.4	191
2016-2284	Organic	GELC	CALA-16-124849	08/30/2016	LAOI-3.2a	181.4	191
2016-2284	Organic	GELC	CALA-16-124855	08/30/2016	R-66	819.4	839.7
2016-2284	RAD	GELC	CALA-16-124855	08/30/2016	R-66	819.4	839.7
2016-2284	RAD	GELC	CALA-16-124849	08/30/2016	LAOI-3.2a	181.4	191
2016-2310	Inorganic	GELC	CALA-16-124850	08/31/2016	LAOI-7	240	259.6
2016-2310	Inorganic	GELC	CALA-16-124866	08/31/2016	LAOI-7	240	259.6
2016-2310	Organic	GELC	CALA-16-124850	08/31/2016	LAOI-7	240	259.6
2016-2310	RAD	GELC	CALA-16-124850	08/31/2016	LAOI-7	240	259.6
2016-2317	Inorganic	GELC	CALA-16-124857	08/31/2016	R-8 S1	705.31	755.7
2016-2317	Inorganic	GELC	CALA-16-124873	08/31/2016	R-8 S1	705.31	755.7
2016-2317	Organic	GELC	CALA-16-124857	08/31/2016	R-8 S1	705.31	755.7
2016-2324	RAD	ARSL[c]	CALA-16-124854	08/29/2016	R-64	1285	1305.5
2016-2324	RAD	ARSL	CALA-16-124855	08/30/2016	R-66	819.4	839.7
2016-2324	RAD	ARSL	CALA-16-124847	08/25/2016	LAOI(a)-1.1	295.2	305
2016-2335	Inorganic	GELC	CALA-16-124874	09/01/2016	R-8 S2	821	828
2016-2335	Inorganic	GELC	CALA-16-124858	09/01/2016	R-8 S2	821	828
2016-2335	Organic	GELC	CALA-16-124858	09/01/2016	R-8 S2	821	828
2016-2383	Inorganic	GELC	CALA-16-124860	09/07/2016	R-9i S1	189.1	199.5
2016-2383	Inorganic	GELC	CALA-16-124876	09/07/2016	R-9i S1	189.1	199.5
2016-2383	Organic	GELC	CALA-16-124860	09/07/2016	R-9i S1	189.1	199.5
2016-2411	Inorganic	GELC	CALA-16-124846	09/08/2016	LADP-3	316	325
2016-2411	Inorganic	GELC	CALA-16-124862	09/08/2016	LADP-3	316	325
2016-2411	Organic	GELC	CALA-16-124846	09/08/2016	LADP-3	316	325
2016-2411	RAD	GELC	CALA-16-124846	09/08/2016	LADP-3	316	325
2016-2485	RAD	ARSL	CALA-16-124846	09/08/2016	LADP-3	316	325
2016-818	Inorganic	GELC	CALA-16-110550	02/29/2016	R-66	819.4	839.7
2016-818	Inorganic	GELC	CALA-16-110551	02/29/2016	R-66	819.4	839.7
2016-818	Inorganic	GELC	CALA-16-110555	02/29/2016	R-66	819.4	839.7
2016-818	Inorganic	GELC	CALA-16-110559	02/29/2016	R-66	819.4	839.7
2016-818	RAD	GELC	CALA-16-110550	02/29/2016	R-66	819.4	839.7
2016-818	RAD	GELC	CALA-16-110555	02/29/2016	R-66	819.4	839.7
2016-824	Inorganic	GELC	CALA-16-110553	03/01/2016	R-6	1205	1228
2016-824	Inorganic	GELC	CALA-16-110554	03/01/2016	R-64	1285	1305.5

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2016-824	Inorganic	GELC	CALA-16-110557	03/01/2016	R-6	1205	1228
2016-824	Inorganic	GELC	CALA-16-110558	03/01/2016	R-64	1285	1305.5
2016-824	RAD	GELC	CALA-16-110553	03/01/2016	R-6	1205	1228
2016-824	RAD	GELC	CALA-16-110554	03/01/2016	R-64	1285	1305.5
2016-841	Inorganic	GELC	CALA-16-110552	03/02/2016	LADP-3	316	325
2016-841	Inorganic	GELC	CALA-16-110556	03/02/2016	LADP-3	316	325
2016-843	RAD	ARSL	CALA-16-110550	02/29/2016	R-66	819.4	839.7
2016-843	RAD	ARSL	CALA-16-110554	03/01/2016	R-64	1285	1305.5
2016-843	RAD	ARSL	CALA-16-110555	02/29/2016	R-66	819.4	839.7

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

[b] Rad = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.