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

EMLA-2021-0039-02-001 November 17, 2020

Mr. Kevin Pierard
Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

Subject: Submittal of the Monitoring Year 2019 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, Revision 1

Dear Mr. Pierard:

Enclosed please find two hard copies with electronic files of the "Monitoring Year 2019 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, Revision 1." Enclosure 1 includes an electronic copy of a redline strikeout version of the report that incorporates all changes made in response to the New Mexico Environment Department's draft comments dated August 4, 2020. A copy of the response is provided as Enclosure 2.

These reports are submitted in accordance with Appendix E, Section IV, of the June 2016 Compliance Order on Consent, as modified on February 27, 2017.

If you have any questions, please contact Steve Veenis at (505) 309-1362 (steve.veenis@em-la.doe.gov) or Hai Shen at (505) 257-7943 (hai.shen@em.doe.gov).

Sincerely,

Arturo Duran Digitally signed by Arturo Duran Date: 2020.11.09 09:32:46 -07'00'

Arturo Q. Duran
Compliance and Permitting Manager
Environmental Management
Los Alamos Field Office

Enclosures:

1. Two hard copies with electronic files (including a redline strikeout version) – 2020 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, Revision 1 (EM2020-0547)
2. Two hard copies with electronic files – Response to the Review, Monitoring Year 2019 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, February 2020, Los Alamos National Laboratory (LANL), EPA ID #NM0890010515, HWB-LANL-20-010, Dated August 4, 2020 (EM2020-0409)

CC (letter with hard-copy enclosure[s]):
Steve Veenis, N3B

CC (letter with CD/DVD enclosure[s]):
Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo, NM
Dino Chavarria, Santa Clara Pueblo, NM
Richard Carpenter, City of Santa Fe, NM
Harry Burgess, Los Alamos County, NM (2 copies)
Jack Richardson, Los Alamos County, NM
Chris Catechis, NMED-DOE-OB
Steve Yanicak, NMED-DOE-OB
Michelle Hunter, NMED-GWQB
Cheryl Rodriguez, EM-LA
Hai Shen, EM-LA
emla.docs@em.doe.gov
n3brecords@em-la.doe.gov
Public Reading Room (EPRR)
PRS website

CC (letter emailed without enclosure[s]):
Felicia Aguilar, N3B
William Alexander, N3B
Emily Day, N3B
Zoe Duran, N3B
David Fellenz, N3B
Cheryl Fountain, N3B
Jeff Holland, N3B
Danny Katzman, N3B
Kim Lebak, N3B
Joseph Legare, N3B
Dana Lindsay, N3B
Pamela Maestas, N3B
Glenn Morgan, N3B
Joseph Murdock, N3B

Dan Pastor, N3B
M. Lee Bishop, EM-LA
Arturo Duran, EM-LA
Stephen Hoffman, EM-LA
Kirk D. Lachman, EM-LA
David Nickless, EM-LA
Ben Underwood, EM-LA

Response to the Review, Monitoring Year 2019 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, February 2020, Los Alamos National Laboratory (LANL), EPA ID #NM0890010515, HWB-LANL-20-010, Dated August 4, 2020

INTRODUCTION

To facilitate review of this response, the New Mexico Environment Department's (NMED's) comments are included verbatim. The U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office responses follow each NMED comment. All information associated with analyses of radionuclides is voluntarily provided to NMED in accordance with DOE policy.

COMMENTS

NMED Comment

1. *Results for low-level tritium at Wells R-9, TA-53i and R-66 are not reported in Table C-1 or Table C-2 in Appendix C. The MY2019 IFGMP proposed annual sampling for this constituent for all three wells in MY2019 and the previous annual periodic monitoring report provided the result for low-level tritium from MY2018. Deviations regarding low-level tritium sampling were not provided for these wells in Table 2.1-1 of the Report. Please provide the results or provide an explanation for why the results are not provided in the Report.*

DOE Response

1. Well R-9 was sampled for low-level tritium on September 16, 2019. Well TA-53i was sampled for low-level tritium on September 18, 2019. Well R-66 was sampled for low-level tritium on September 12, 2019. Low-level tritium results for R-9, TA-53i, and R-66 were incorrectly coded as "screening" for the analytical laboratory's quality control (QC) reporting option, and therefore not included as part of the periodic monitoring report.

   The laboratory's QC reporting option has been corrected to "standard." Appendix C will be revised to include the low-level tritium results as part of Revision 1 of the periodic monitoring report.

November 2020
EM2020-0547

Monitoring Year 2019 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, Revision 1

N3B Los Alamos

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

EM2020-0547

Monitoring Year 2019 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed, Revision 1

November 2020

Responsible program director:

Printed Name	Signature	Title	Organization	Date
Steve Veenis	Steve Veenis	T2S Program Director	Water Program	11/6/2020

Responsible N3B representative:

Printed Name	Signature	Title	Organization	Date
Kim Lebak	Kimberly D Lebak	Program Manager	N3B Environmental Remediation Program	11/6/2020

Responsible DOE EM-LA representative:

Printed Name	Signature	Title	Organization	Date
Arturo Q. Duran	Arturo Duran Digitally signed by Arturo Duran Date: 2020.11.17 12:32:24 -07'00'	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents results for the Technical Area 21 (TA-21) monitoring group of the Newport News Nuclear BWXT-Los Alamos, LLC (N3B) groundwater monitoring program that have not been previously reported. All monitoring work reported in this PMR was conducted pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan for the 2019 Monitoring Year, October 2018–September 2019," (hereafter referred to as the 2019 IFGMP) prepared in accordance with the Compliance Order on Consent.

This PMR presents monitoring results for one periodic monitoring event (PME) conducted during the fourth quarter of monitoring year 2019 and includes the monitoring of groundwater well or well screen locations. All active monitoring locations in the TA-21 monitoring group are located within the Los Alamos Canyon watershed. In addition to results from this PME, results are reported for the previous four PMEs, as well as earlier TA-21 monitoring group PMEs that have not yet been reported because the validated laboratory data were not available at the time of the previous PMR publication.

Groundwater samples collected during the PME were analyzed for all or some of the following analytical groups as specified in the 2019 IFGMP: general inorganic chemicals, including perchlorate; metals; radionuclides; tritium; semivolatile organic compounds; and volatile organic compounds. The same samples were also analyzed for field parameters, including dissolved oxygen, flow (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

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

No groundwater analytical results reported in this PMR were detected above the applicable screening values.

CONTENTS

1.0 INTRODUCTION 1
1.1 Background 1
2.0 SCOPE OF ACTIVITIES 3
2.1 Deviations from Planned Scope 3
3.0 REGULATORY CRITERIA 3
4.0 MONITORING RESULTS 4
4.1 Methods and Procedures 4
4.2 Comparison of Target Analytes and Method Detection Limits 4
4.3 Field Parameter Results 4
4.4 Groundwater Elevations 5
5.0 ANALYTICAL DATA RESULTS 5
5.1 Methods and Procedures 5
5.2 Analytical Data 8
5.2.1 Surface Water (Base Flow) 9
5.2.2 Groundwater 9
5.3 Sampling Program Modifications 9
6.0 SUMMARY AND INTERPRETATIONS 9
6.1 Monitoring Results 9
6.2 Analytical Results 9
6.2.1 Surface Water (Base Flow) 9
6.2.2 Groundwater 10
6.3 Data Gaps 10
6.4 Remediation System Monitoring 10
7.0 REFERENCES 10

Figures

Figure 2.0-1 TA-21 vicinity map 13
Figure 2.0-2 TA-21 monitoring group locations 14
Figure 4.4-1 Average regional groundwater surface and flow direction in July 2019 15

Tables

Table 2.0-1 TA-21 Monitoring Group Locations and General Information 17
Table 2.1-1 TA-21 Monitoring Group PME Observations and Deviations 18
Table 3.0-1 Sources for Standards, MCLs, and Screening Levels for Groundwater at Los Alamos National Laboratory 20
Table 4.2-1 Target Analytes with MDLs Equal to or Above Screening Values 21
Table 4.2-2 Target Analyte with MDL Below Screening Values 22
Table 5.2-1 TA-21 Monitoring Group Groundwater Results Above Screening Values 23

Appendixes

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

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

Appendix D Groundwater Results Greater Than Half of Screening Values

Appendix E Analytical Chemistry Graphs of Results with Screening-Value Exceedances

Appendix F Analytical Reports (on CD included with this document)

Plate

Plate 1 Groundwater elevations

Acronyms and Abbreviations

bgs	below ground surface
COC	chain of custody
Consent Order	Compliance Order on Consent
CV	casing volume
DOE	Department of Energy (U.S.)
EIM	Environmental Information Management (database)
EPA	Environmental Protection Agency (U.S.)
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FTB	field trip blank
gpm	gallons per minute
ID	identification
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
LC-MS/MS	liquid chromatography-mass spectrometry/mass spectrometry
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit(s)
PEB	performance evaluation blank
PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
SOP	standard operating procedure
SU	standard unit
SVOC	semivolatile organic compound
TA	technical area
TSTA	Tritium Systems Test Assembly

VOC	volatile organic compound
WCSF	waste characterization strategy form

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 event (PME) conducted by Newport News Nuclear BWXT-Los Alamos, LLC (N3B):

Watershed	PME Reported		PME Field Sampling	
	Monitoring Year	Quarter	Begin	End
Los Alamos	2019	4	9/04/2019	09/19/2019

The annual TA-21 monitoring group PMR is submitted to the New Mexico Environment Department (NMED) in the month of February and includes results from the TA-21 monitoring group PME performed in the fourth quarter of the monitoring year. In addition to results from the PME listed in the table above, results are reported for the previous four PMEs, as well as data from earlier TA-21 monitoring group PMEs that have not yet been reported because the validated laboratory data were not available at the time of the previous TA-21 PMR publication.

The PME reported in this PMR included sampling of groundwater wells pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2019 Monitoring Year, October 2018–September 2019” (hereafter referred to as the 2019 IFGMP) (N3B 2019, 700451), which was prepared in accordance with the Compliance Order on Consent (the Consent Order).

Section IX of the Consent Order describes the role of data screening in the corrective action process. Screening values are used to identify the *potential* for unacceptable risk resulting from the presence of contaminants in groundwater and surface water. Screening values for evaluating IFGMP monitoring data include New Mexico Water Quality Control Commission (NMWQCC) groundwater standards, U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), NMED screening levels for tap water, and EPA regional screening levels for tap water. Additional risk evaluation is required to determine the potential need for cleanup (corrective action) if results indicate that contaminants are present at concentrations above screening values.

This report presents the following information:

- general background information for the TA-21 monitoring group
- field-measurement monitoring results
- water-quality monitoring results
- screening analysis results
- a summary of the monitoring data and the results of screening analysis

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

1.1 Background

The TA-21 monitoring group is located in and around TA-21 and located in upper Los Alamos Canyon, DP Canyon, and Pueblo Canyon. TA-21 is located on DP Mesa on the northern boundary of Los Alamos National Laboratory (LANL or the Laboratory) and is immediately east-southeast of the Los Alamos

townsite. It extends from the mesa top to the stream channels in two adjacent canyons, DP Canyon to the north and Los Alamos Canyon to the south.

During World War II, the Laboratory was established for research, development, and testing of the first deliverable nuclear weapon. In 1945, the operations for establishing the chemical and metallurgical properties of the nuclear material necessary to achieve and sustain a nuclear fission reaction were transferred to newly built facilities at TA-21. TA-21 includes five material disposal areas (MDAs): A, B, T, U, and V.

DP West operations began in September 1945, primarily to produce metal and alloys of plutonium from nitrate solution feedstock provided by other production facilities. This procedure involved several acid dissolution and chemical precipitation steps to separate the plutonium and other valuable actinides from the feedstock. A major research objective at DP West was the development of new purification techniques that would increase the efficiency of the separation processes (Christensen and Maraman 1969, 004779). Details of the purification techniques are discussed in the operable unit work plan for TA-21 (LANL 1991, 007529). Other operations performed at DP West included nuclear fuel reprocessing. In 1977, transfer of work to the new plutonium facility at TA-55 began and much of the DP West complex was vacated.

DP East operations also began in September 1945. These facilities were used to process polonium and actinium and to produce initiators (a nuclear weapons component). From 1952 through 1973, the facilities supported the Rover nuclear propulsion project. In 1964, building 21-209 was built to house research operations for high-temperature and actinide chemistry. Following the Rover project, the facilities supported fusion research. Building 21-155 housed the Tritium Systems Test Assembly (TSTA) for developing and demonstrating effective technology for handling and processing deuterium and tritium fuels used in fusion reactors. Operations ceased and the DP East facilities were placed in safe shutdown in 2003.

All operations at TA-21 have ceased and none of the sites are active sources that continue to release contamination. The majority of the structures at TA-21 have undergone decontamination and decommissioning beginning in 2009. Nearly all the buildings have been removed to the foundations, some areas have been remediated, and septic tanks are not receiving any discharges; all sumps and septic tanks are disconnected from their sources, some tanks have been removed, some have been filled and left in place, or some have been emptied and left in place. Roads and large paved parking areas remain and many unpaved areas are landscaped. The MDAs and the main TA-21 area are fenced for controlled access, but some former operational areas are located outside the main fenced areas. Currently, TA-21 is under DOE control and the land use is industrial.

Primary sources of contaminants in the vicinity of the TA-21 monitoring group include the effluent outfall [Solid Waste Management Unit 21-011(k)], adsorption beds and disposal shafts at MDA T, DP West, waste lines, and sumps.

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) in addition to 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.

Pueblo Canyon receives effluent from the Los Alamos County Wastewater Treatment Plant, which was completed in 2007.

2.0 SCOPE OF ACTIVITIES

All active monitoring locations in the TA-21 monitoring group are located within the Los Alamos Canyon watershed. Monitoring locations include seven groundwater wells completed within the intermediate-perched aquifer, and four groundwater wells completed within the deep regional aquifer.

Groundwater samples collected during the PME were analyzed for all or some of the following analytical groups as specified in the 2019 IFGMP (N3B 2019, 700451): general inorganic chemicals, including perchlorate; metals; radionuclides; tritium; semivolatile organic compounds (SVOCs); and volatile organic compounds (VOCs). The same samples were also analyzed for field parameters, including dissolved oxygen, flow (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

Purge water is managed and characterized in accordance with the relevant version of waste characterization strategy form (WCSF) “WCSF–Interim Facility-Wide Groundwater Monitoring” (LANL 2016, 601812). Purge water is stored until characterization is complete, and if requirements are met, the purge water can be land applied in accordance with the standard operating procedure (SOP) “Land Application of Groundwater” (N3B-EPC-CP-QP-010 Rev 4) and standing order “Land Application of Groundwater” (N3B-SO-ER-0003), which implements the NMED-approved decision tree for land application of drilling, development, rehabilitation, and purge water. Purge water has been consolidated for off-site disposal because of new regulatory requirements for chemicals that were not analyzed at the time of sampling. When sample analyses include these constituents, purge water will be land applied if waste crtieria are met.

Table 2.0-1 provides the location name and watershed; the monitoring year and quarter of the sampling event; the sample collection date and time; the well screened interval and top and bottom screen depths; and the casing volume, purge volume, and purge or flow rate for each sampling event. Figure 2.0-1 is a TA-21 vicinity map. Monitoring locations are shown in Figure 2.0-2.

2.1 Deviations from Planned Scope

Table 2.1-1 summarizes the fieldwork deviations from the planned monitoring scope for this annual PMR.

3.0 REGULATORY CRITERIA

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

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

- Base-flow monitoring locations are assigned to one of two screening categories based upon the hydrology of the water body being monitored—perennial or intermittent-ephemeral. This category, along with a hardness value, determines the screening values used for data at each monitoring

location. Hardness-dependent screening values used to screen data at each base-flow monitoring location are determined from the 20.6.4.900 New Mexico Administrative Code (NMAC) "Water Quality Standards for Interstate and Intrastate Surface Waters." Hardness-dependent acute and hardness-dependent chronic aquatic life criteria for metals are calculated using the hardness-dependent equations in accordance with the requirements of 20.6.4.900.I NMAC. Hardness-dependent acute and hardness-dependent chronic criteria were used for total recoverable aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements therein.

- For each individual substance, the lower concentration of the NMWQCC groundwater standard or the EPA MCL is used as the screening value.
- If an NMWQCC groundwater standard or an MCL has not been established for a specific substance for which toxicological information is published, the NMED screening level for tap water is used as the groundwater screening value. NMED screening levels are established for either a cancer- or noncancer-risk type; for the cancer-risk type, screening levels are based on a 10^{-5} excess cancer risk. This report was prepared using the 2019 NMED Risk Assessment Guidance for Site Investigations and Remediation (NMED 2019, 700550).
- If the NMED screening level for tap water has not been established for a specific substance for which toxicological information is published, the EPA regional screening level for tap water is used as the groundwater screening value. The EPA screening levels are established for either a cancer- or noncancer-risk type. For the cancer-risk type, the Consent Order specifies screening at a 10^{-5} excess cancer risk. The EPA screening levels for tap water are at 10^{-6} excess cancer risk; therefore, 10 times the EPA 10^{-6} screening levels are used in the screening process. This report was prepared using the November 2019 EPA regional screening levels for tap water (http://www.epa.gov/risk/risk-based-screening-table-generic-tables).
- 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. For this report, EPA MCLs are applied to both filtered and unfiltered sample results.

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2019 IFGMP (N3B 2019, 700451).

4.2 Comparison of Target Analytes and Method Detection Limits

Several analytes have a range of method detection limits (MDLs). For some of these analytes, the MDL is much lower than for earlier analyses. Table 4.2-1 presents a list of analytes with MDLs equal to or above screening values. Table 4.2-2 presents a list of analytes where the lower range of MDLs is below the screening value but the upper portion of the range is above the screening value. The analytical method and analytical laboratory are included in the tables for reference.

4.3 Field Parameter Results

Appendix A presents field parameter measurements associated with the sampling and analytical data reported in this PMR. The parameters are dissolved oxygen, flow rate, oxidation-reduction potential, pH,

specific conductance, temperature, and turbidity. Table 2.1-1 notes any instances where the parameter stabilization requirement could not be met.

4.4 Groundwater Elevations

The groundwater elevation is measured at each monitoring location before purging and sampling at that location, as required by the Consent Order.

In addition to collecting groundwater elevation data before purging and sampling, N3B collects groundwater elevation 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 elevation records presented in this PMR are a result of one or more of the following conditions:

- The well is dry.
- The well is not equipped with a pressure (level) transducer.
- The water level is below the transducer.
- The transducer is not functioning properly (including failure).
- The transducer is temporarily removed from well for maintenance and/or calibration.

Data gaps exist at the following locations:

- LAOI(a)-1.1 had a transducer failure on November 25, 2018, and the transducer was replaced on October 23, 2019.
- LADP-3 data is intermittent because groundwater levels drop below the transducer.
- R-5 S2, R-5 S3, and R-5 S4 transducers were pulled for Westbay conversion on April 25, 2019.
- R-7 S3, R-8 S1, R-8 S2, R-9i S1, and R-9i S2 transducers were pulled for Westbay conversion on April 26, 2019.
- R-5 S1, R-7 S1, and R-7 S2 are dry, and groundwater levels are not reported.

Groundwater elevation data from the previous PME and through the end of the current PME are presented in Appendix B (on CD included with this document), and include all continuous groundwater elevation data.

Groundwater elevation measurements are shown graphically on Plate 1. For wells equipped with transducers, the reported groundwater elevation was the first measurement taken each day. Figure 4.4-1 shows the elevation of the regional groundwater surface and flow directions. Regional contours were generated in ArcGIS using average groundwater elevations in July 2019. Because data for the perched-intermediate aquifer below the TA-21 monitoring group is limited, no contours are shown for this aquifer; however, all groundwater elevation data for locations with transducers are reported in Appendix B and on Plate 1.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform the analysis for the data reported in this PMR are documented in the 2019 IFGMP (N3B 2019, 700451).

Sampling and data validation were conducted using SOPs that are part of a comprehensive quality assurance/quality control (QA/QC) program. SOPs include the most current version of the following:

- "WCSF–Interim Facility-Wide Groundwater Monitoring" (N3B-EP2016-0117)
- "Groundwater Sampling" (N3B-SOP-ER-3003)
- "Groundwater Sampling" (IWD-TPMC-LA-16-049)
- "Groundwater Sampling Using Westbay MP System" (N3B-SOP-5225)
- "Wireless Connect/Non-connected Component Plan – Standalone Wireless System Name: Groundwater Monitoring Well Data Acquisition System" (N3B-SD-016-CP-032/L2)
- "Locus Mobile Application for Groundwater Data Collection" (N3B-SOP-ER-20324)
- "Groundwater Sampling and Sample Preservation" (N3B-ER-IWD-20088)
- "Manual Groundwater Level Measurements" (N3B-SOP-ER-3001)
- "Groundwater Level Data Processing, Review, and Validation" (N3B-SOP-ER-3004)
- "Validation of Volatile Organic Compound (VOC) Analytical Data" (N3B-ER-AP-20309)
- "Validation of Semi-volatile Organic Compound Analytical Data" (N3B-ER-AP-20310)
- "Validation of LC-MS/MS High Explosive Analytical Data" (N3B-ER-AP-20316)
- "Validation of Organochlorine Pesticide and Polychlorinated Biphenyl Analytical Data" (N3B-ER-AP-20311)
- "Validation of Metals and Cyanide Analytical Data" (N3B-ER-AP-20313)
- "Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data" (N3B-ER-AP-20314)
- "Validation of General Chemistry Analytical Data" (N3B-ER-AP-20315)
- "Validation of Dioxin and Furan Analytical Data" (N3B-ER-AP-20320)
- "Validation of LC-MS/MS Perchlorate Analytical Data" (N3B-ER-AP-20320)

Samples to be collected are planned using 2019 IFGMP Tables 1.7-2, 1.8-1, 1.9-1, 1.11-1, and 2.4-1 through 8.3-1. Sample plans include additional field collection, transportation, and field QA/QC criteria as identified in the N3B and project data quality objectives and in the Consent Order. A sample collection log is created and printed to serve as a chain-of-custody (COC) document and an analytical request form.

Field QA/QC samples, field blanks (FBs), equipment rinsate blanks (EQBs), performance evaluation blanks (PEBs), field duplicates (FDs), and field trip blanks (FTBs), are used to detect possible field or analytical laboratory contamination and to track analytical laboratory performance. Differences in analytical results between a FD and its regular sample, for example, may indicate the samples were not uniform, or that significant variation in analysis occurred between the two samples. Detection of analytes in deionized water FBs may indicate contamination of the deionized water source or sample bottles, or contamination from the analytical laboratory.

FBs consist of deionized water from the Storm Water Processing Facility that is subjected to the same conditions as regular samples. FBs are collected at a minimum frequency of 10% of all organic samples collected during the sampling campaign, and are amassed from locations where regular samples for organic constituents are collected. FBs are analyzed for the same suites of organic analytes except for high explosives compounds, which are not analyzed in FBs.

EQBs are used to detect any contamination resulting from contaminated equipment or poor decontamination techniques. The EQB is prepared by passing deionized water through unused or decontaminated sampling equipment, including Westbay sample bottles. EQBs are collected before a well is sampled. An EQB is also collected before each well equipped with a Westbay sampling system is sampled for off-site analysis. EQBs are not required when wells equipped with Westbay sampling systems are sampled for on-site analysis only.

PEBs are deionized water blanks from the Storm Water Processing Facility submitted as regular samples without any indication they are QA/QC samples. PEBs are used to evaluate contamination from the sample collection, sample shipping, and analytical processes. One PEB is collected per sampling campaign and analyzed for total organic carbon and for the full suite of constituents analyzed during the sampling campaign.

FDs are collected at a rate of 10% of all samples collected during a sampling campaign. FDs are distributed proportionally among surface water, alluvial groundwater, and intermediate/regional groundwater according to the relative number of samples collected for each type of water. FDs are split samples that provide information about field variation of sampling results as well as analytical laboratory variation. They may reveal sampling techniques and sampling process with poor reproducibility.

FTBs consist of organic-free deionized water prepared by an independent off-site laboratory that accompany regular samples collected for VOC analyses. FTBs are used to identify potential VOC contamination that may occur during sample collection, handling, shipping, and storage, or during the analytical process, and are analyzed for VOCs only. A minimum of one FTB per cooler containing samples for VOC analyses is required. However, to facilitate data validation, one FTB may be included with each sample submitted for VOC analysis.

Following sample collection, sampling personnel deliver the samples and the field collection log to sample management personnel at the N3B Sample Management Office. An analytical COC is then created, which includes the field sample identification (ID) number, the date and time of field sample collection, the analytical parameters group code, and the number of bottles for each analytical parameters group.

In addition to the field QC samples, additional external laboratory batch QC samples, such as matrix spikes, duplicates, method blanks, and laboratory control samples, are analyzed to monitor laboratory analytical processes. The laboratory QC is defined in the appropriate analytical method, the external analytical laboratory statement of work, and the Consent Order.

N3B data validation is performed externally from the analytical laboratory and end users of the data and applies a defined set of performance-based criteria to analytical data that may result in qualification of that data. Data validation provides a level of assurance, based on this technical evaluation, of the data quality. N3B validation of chemistry data includes a technical review of the analytical data package, covering the evaluation of both field and laboratory QC samples, the identification and quantitation of analytes, and the effect of QC deficiencies on analytical data, as well as other factors affecting the data quality.

The analytical data are submitted by the external laboratory in a pdf data package format and an electronic data deliverable uploaded to the N3B Environmental Information Management System (EIM). The data are then validated both manually and in the EIM autovalidation process, then reviewed by an N3B chemist at the appropriate level, and then fully transferred into EIM.

This validation follows processes described in the N3B validation procedures listed above. Validation qualifiers and reason codes applied during this process are also reviewed and approved by an N3B

chemist to assess data usability. The EIM data are then made available to the public in the Intellus New Mexico database (http://intellusnm.com)

5.2 Analytical Data

Appendix C presents the analytical data for the PME reported in this PMR and from the previous four sampling events. The data were reviewed for conformance with regulatory and N3B requirements, and are reported as follows:

- For all data:
  - FD results, reanalysis results, and results of the same analytes from the same sample analyzed by different analytical methods are reported.
  - Data that are R-qualified (data that were rejected because of analytical problems and/or non-conformance with QC criteria during independent validation, and which are unusable) are still reported.
  - Laboratory QC results, FTB data, and FB data are not included in the data set.
  - Tracers used for conceptual models are not reported.
  - Watch list data in which water-quality data for certain constituents are not representative or are of questionable representativeness are not reported.
  - All other detected results are reported.
- For radionuclide data:
  - Constituents analyzed and reported for the gamma spectroscopy suite include cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22.
  - Americium-241 and uranium-235 data from chemical separation alpha spectroscopy are reported. No gamma spectroscopy results for these analytes are presented.
  - All results are reported at all locations.

Multiple analyses of the same analyte in a sample, including dilutions and reanalyses, create multiple results for that analyte. These multiple results for the same analyte have the same sample ID, analytical laboratory code, and analytical method. Validation determines the more accurate result, which is marked with a best value flag of “Y” (yes). The other results for that analyte, which were validated to be of lower quality, are assigned a best value flag of “N” (no). The best value flag is included in Appendix C.

The analytical results for radionuclides and radioactivity are voluntarily compared with the DOE Biota Concentration Guides (DOE 2002, 085637) for surface water and the Derived Concentration Technical Standard (DOE 2011, 600493) for groundwater but are not reported in Table 5.2-1 or Appendix D.

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

Table 5.2-1 provides groundwater analytical results by hydrogeologic zone for specific analytical suites detected above screening values when applicable. Multiple detections are included except for FD exceedances. For example, if aluminum was detected above the screening value in both a primary sample and a FD, only the primary sample result would be recorded. If aluminum was detected above the

screening value in any primary samples, all results would be shown. No analytical results were detected at concentrations greater than screening values; therefore, no results are included in Table 5.2-1.

Graphs in Appendix E display analyte concentration histories for monitoring group locations where the analyte was detected above the screening value at least once in the following expanded data set, which includes this PME in addition to data for the four previous monitoring group PMEs. Appendix E may include instances where the analyte data are evaluated using a higher screening value than the screening value used to evaluate previously reported analyte data. For example, the current screening value of 13.8 µg/L for perchlorate is greater than the former screening value of 4 µg/L, which was used to evaluate previously reported analyte data. If there are exceedances of the current screening value by the data reported in this PMR, the graphs depict the current analyte screening value. If there are no exceedances of current values, but at least one exceedance of the former (lower) screening value by the previously reported analytical data, the graphs depict the former lower screening value. Magenta lines indicate the PMR reporting period. Results with a best value flag of N are not included in Appendix E.

The analytical laboratory reports, including COC forms and data validation forms, are provided in Appendix F (on CD included with this document).

5.2.1 Surface Water (Base Flow)

There are no base flow monitoring locations included within the TA-21 monitoring group.

5.2.2 Groundwater

No groundwater analytical results reported in this PMR were detected at concentrations above the applicable screening values.

5.3 Sampling Program Modifications

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

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

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

6.2 Analytical Results

Appendix C presents the analytical data associated with the sampling reported within this PMR.

6.2.1 Surface Water (Base Flow)

There are no base flow monitoring locations included within the TA-21 monitoring group.

6.2.2 Groundwater

No groundwater constituents analyzed during the PME associated with this PMR were detected above the applicable groundwater screening values.

6.3 Data Gaps

Table 2.1-1 summarizes the fieldwork deviations from the planned monitoring scope for this annual PMR.

6.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the TA-21 monitoring group, as no remediation systems are installed within this monitoring group.

7.0 REFERENCES

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

Christensen, E.L., and W.J. Maraman, April 1969. "Plutonium Processing at the Los Alamos Scientific Laboratory," Los Alamos Scientific Laboratory report LA-3542, Los Alamos, New Mexico. (Christensen and Maraman 1969, 004779)

DOE (U.S. Department of Energy), July 2002. "A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota," DOE Standard No. DOE-STD-1153-2002, U.S. Department of Energy, Washington, D.C. (DOE 2002, 085637)

DOE (U.S. Department of Energy), April 2011. "Derived Concentration Technical Standard," DOE Standard No. DOE-STD-1196-2011, U.S. Department of Energy, Washington, D.C. (DOE 2011, 600493)

LANL (Los Alamos National Laboratory), May 1991. "TA-21 Operable Unit RFI Work Plan for Environmental Restoration," Vol. II (Chapters 14 to 16), Los Alamos National Laboratory document LA-UR-91-962, Los Alamos, New Mexico. (LANL 1991, 007529)

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), August 23, 2016. "Waste Characterization Strategy Form for Groundwater Monitoring," Los Alamos National Laboratory, Los Alamos, New Mexico. (LANL 2016, 601812)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), May 2019. "Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019–September 2020," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2019-0156, Los Alamos, New Mexico. (N3B 2019, 700451)

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

NMED (New Mexico Environment Department), March 2017. "Risk Assessment Guidance for Site Investigations and Remediation, Volume 2, Soil Screening Guidance for Ecological Risk Assessments," Hazardous Waste Bureau and Ground Water Quality Bureau, Santa Fe, New Mexico. (NMED 2017, 602274)

NMED (New Mexico Environment Department), June 19, 2019. "Risk Assessment Guidance for Site Investigations and Remediation, Volume 1, Soil Screening Guidance for Human Health Risk Assessments," February 2019 (Revision 2, 6/19/19), Hazardous Waste Bureau and Ground Water Quality Bureau, Santa Fe, New Mexico. (NMED 2019, 700550)

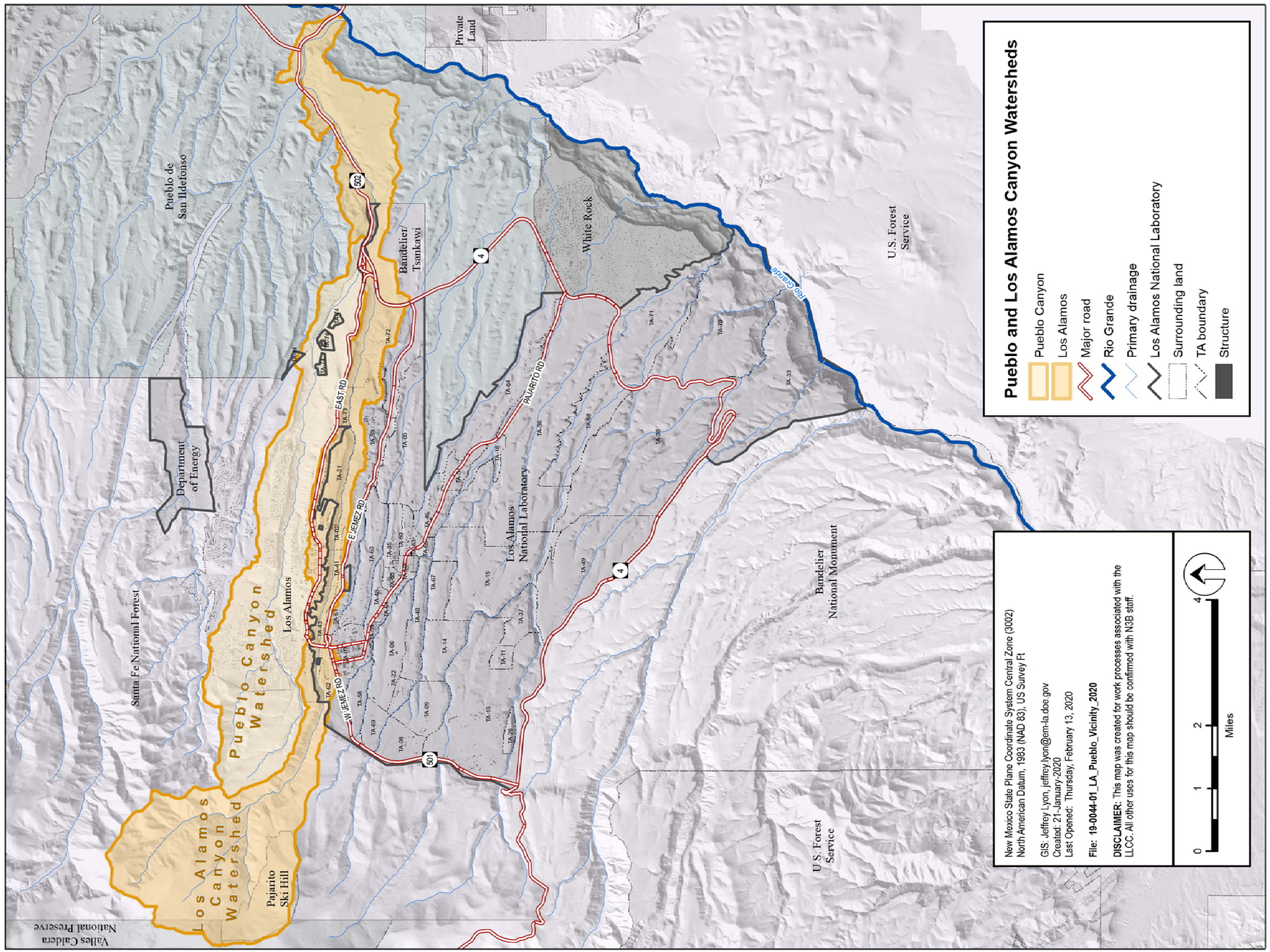


Figure 2.0-1 TA-21 vicinity map

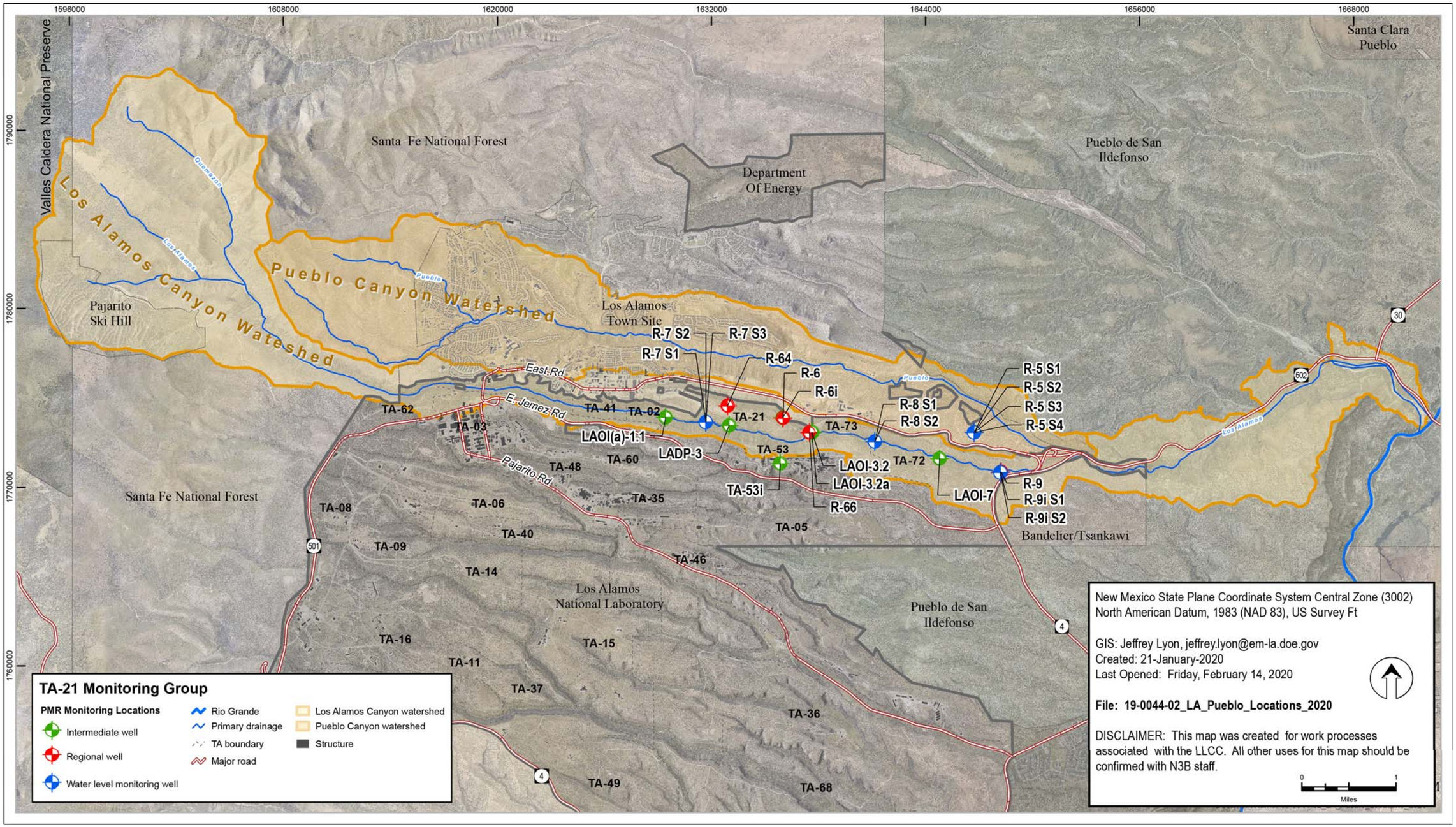


Figure 2.0-2 TA-21 monitoring group locations

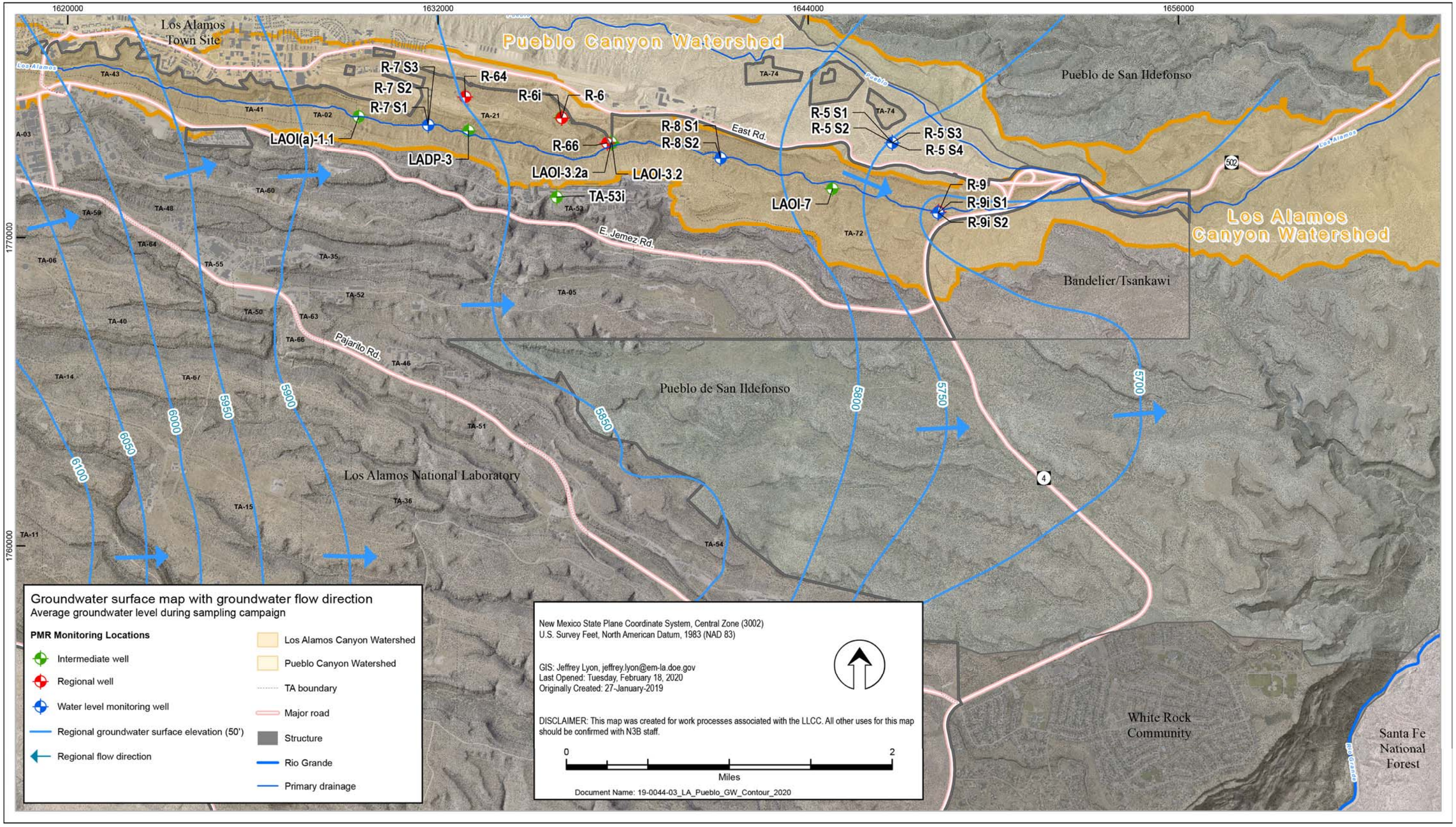


Figure 4.4-1 Average regional groundwater surface and flow direction in July 2019

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

Location Name	Watershed	Sampling Event		Sample Collection Date	Sample Collection Time	Screened Interval (ft)	Screen Top Depth (ft bgs[a])	Screen Bottom Depth (ft bgs)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[b])
		Monitoring Year	Quarter								
Intermediate											
LADP-3[c]	Los Alamos	2019	4	Canceled: 09/19/19	n/a[d]	8.74	317.56	326.3	n/a	n/a	n/a
LAOI(a)-1.1[e]				09/10/19	10:50	9.8	295.2	305	5.1	28.98	0.69
LAOI-3.2				09/05/19	15:02	9.5	153.3	162.8	7.21	22.2	0.12
LAOI-3.2a				09/11/19	09:47	9.6	181.4	191	4.85	15.84	0.66
LAOI-7				09/17/19	09:46	19.6	240	259.6	14.78	48	2
R-6i				09/09/19	09:40	10	602	612	17.2	77.22	4.29
TA-53i				09/18/19	08:59	10	600	610	21.11	77.22	4.29
Regional											
R-6	Los Alamos	2019	4	09/09/19	10:44	23	1205	1228	73.23	243.3	8.11
R-9				09/16/19	10:17	65.5	683	748.5	53.34	163.62	9.09
R-64				09/04/19	09:37	20.5	1285	1305.5	44.27	149.94	7.14
R-66				09/12/19	10:20	20.3	819.4	839.7	55.26	169.4	4.84

[a] bgs = Below ground surface.

[b] gpm = Gallons per minute.

[c] Sample collection canceled because the well was dry.

[d] n/a = Not applicable.

[e] Purged at lowest rate possible (<1 gpm) to minimize drawdown.

Table 2.1-1
TA-21 Monitoring Group PME Observations and Deviations

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		Monitoring Year	Quarter			
LADP-3	Los Alamos	2019	4	No field or analytical data available for this location.	Canceled because the location was dry.	Dry
LAOI(a)-1.1	Los Alamos	2019	4	5.68 CVs[a] purged.	An extra 2.68 CVs purged to allow for turbidity stabilization.	None
LAOI-3.2	Los Alamos	2019	4	3.08 CVs purged.	None	None
LAOI-3.2a	Los Alamos	2019	4	3.27 CVs purged.	None	None
LAOI-7	Los Alamos	2019	4	3.25 CVs purged.	None	None
R-6i	Los Alamos	2019	4	4.49 CVs purged.	An extra 1.49 CVs purged to record minimum required parameters.	None
TA-53i	Los Alamos	2019	4	3.66 CVs purged.	None	None
R-6	Los Alamos	2019	4	3.32 CVs purged.	None	None
R-64	Los Alamos	2019	4	3.39 CVs purged.	None	None
R-66	Los Alamos	2019	4	3.07 CVs purged.	None	None
R-9	Los Alamos	2019	4	3.07 CVs purged.	None	None
All sites where SVOCs are analyzed	Los Alamos	2019	4	The 2019 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze methylphenol[4-], CAS[b] 106-44-5 as part of the SVOC analytical suite by the analytical method SW-846:8270D. Instead, methylphenol[3-,4-] CAS 65794-96-9 is analyzed as part of the SVOC analytical suite by the analytical method SW-846:8270D.	Methylphenol[3-], m-cresol, CAS 108-39-4, and methylphenol[4-], p-cresol CAS 106-44-5, are not independently quantified by SW-846:8270D. The two compounds co-elute and methylphenol[3-,4-], m,p-cresols CAS 65794-96-9 is analyzed by SW-846:8270D. The result for each analyte is a combined concentration. GELC's[c] catalog of services includes m,p-cresols and does not include m-cresol or p-cresol. GELC's certificate of analysis identifies m,p-cresols CAS 65794-96-9.	None

Table 2.1-1 (continued)

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		Monitoring Year	Quarter			
All sites where SVOCs are analyzed	Los Alamos	2019	4	The 2019 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze azobenzene, CAS 103-33-3 as part of the SVOC analytical suite by the analytical method SW-846:8270D. Instead, diphenylhydrazine[1,2-], CAS 122-66-7 is analyzed as part of the SVOC analytical suite by the analytical method SW846:8270D.	Diphenylhydrazine[1,2-] CAS 122-66-7 decomposes and cannot be separated from azobenzene CAS 103-33-3 using the analytical method SW846:8270D.	None
All sites where SVOCs are analyzed	Los Alamos	2019	4	The 2019 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze both nitrosodiphenylamine[N-] CAS 86-30-6 and diphenylamine CAS 122-39-4 as part of the SVOC analytical suite by the analytical method SW-846:8270. Instead diphenylamine CAS 122-39-4 is analyzed as part of the SVOC analytical suite by the analytical method SW-846:8270	Nitrosodiphenylamine[N-] CAS 86-30-6 decomposes and cannot be separated from diphenylamine CAS 122-39-4 using the analytical method 8270D.The result for each analyte is a combined and reported as diphenylamine CAS 122-39-4.	None

[a] CV = Casing volume.

[b] CAS = Chemical Abstracts Service.

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

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

Standard Type	Standard Source	Description	Groundwater
New Mexico			
Standard	20 6.2.3103 NMAC (NMWQCC groundwater standard)	Groundwater human health standards, other standards for domestic water supply and standards for irrigation use	X[a]
Screening Level	NMED	Tap water screening levels[b]	X
EPA			
Standard	40 Code of Federal Regulations 141	EPA MCLs[c]	X
Risk-Human	EPA generic screening levels	EPA generic screening levels for tap water[d]	X
DOE			
Standard	DOE Order 458.1	DOE 100-mrem public dose derived concentration technical standards	X
Standard	DOE Order 458.1	DOE 4-mrem drinking water derived concentration technical standards	X

[a] X = Applied to data screening for this report.

[b] Screening levels derived from NMED guidance (NMED 2017, 602273; NMED 2017, 602274).

[c] EPA maximum contaminant levels (https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations).

[d] EPA generic screening levels (http://www.epa.gov/risk/risk-based-screening-table-generic-tables).

Table 4.2-1
Target Analytes with MDLs Equal to or Above Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
SVOCs						
Atrazine	3–3.26	SW-846:8270D	3	µg/L	NM GW STD[a]	GELC[b]
Azobenzene	3–3.26	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL[c]	GELC
Benzidine	3.9–4.23	SW-846:8270D	0.00109	µg/L	NMED A1 TAP SCRN LVL[d]	GELC
Benzo(a)anthracene	0.3–0.326	SW-846:8270D	0.12	µg/L	NMED A1 TAP SCRN LVL	GELC
Benzo(a)pyrene	0.3–0.326	SW-846:8270D	0.2	µg/L	NM GW STD	GELC
Bis(2-chloroethyl)ether	3–3.26	SW-846:8270D	0.137	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.3–0.326	SW-846:8270D	0.0343	µg/L	NMED A1 TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	3–3.26	SW-846:8270D	1.25	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitro-2-methylphenol[4,6-]	3–3.26	SW-846:8270D	1.52	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,4-]	3–3.26	SW-846:8270D	2.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,6-]	3–3.26	SW-846:8270D	0.485	µg/L	NMED A1 TAP SCRN LVL	GELC
Hexachlorobenzene	3–3.26	SW-846:8270D	1	µg/L	EPA MCL[e]	GELC
Hexachlorobutadiene	3–3.26	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrobenzene	3–3.26	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	3–3.26	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	3–3.26	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosodiethylamine[N-]	3–3.26	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	3–3.26	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	3–3.26	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Pentachlorophenol	3–3.26	SW-846:8270D	1	µg/L	NM GW STD	GELC
Tetrachlorobenzene[1,2,4,5]	3–3.26	SW-846:8270D	1.66	µg/L	NMED A1 TAP SCRN LVL	GELC

Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Volatile Organic Compounds						
Acrolein	1.5	SW-846:8260B	0.0415	µg/L	NMED A1 TAP SCRN LVL	GELC
Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA MCL	GELC
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	NM GW STD	GELC
Dibromomethane	0.3	SW-846:8260B	0.0747	µg/L	NMED A1 TAP SCRN LVL	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRN LVL	GELC

Note: This table is applicable to samples reported in this PMR. The table applies to the results with the lowest MDL.

[a] NM GW STD = New Mexico Groundwater Standard 20 6.2.3103 NMAC (NMWQCC groundwater standard).

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

[c] EPA TAP SCRN LVL = EPA regional screening level for tap water.

[d] NMED A1 TAP SCRN LVL = NMED screening level for tap water.

[e] EPA MCL = EPA maximum contaminant level.

Table 4.2-2
Target Analyte with MDL Below Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
SVOCs						
Pentachlorobenzene	3–3.26	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRN LVL[a]	GELC[b]

Notes: This table is applicable to samples reported in this PMR. For this table, the lower value of the MDL range is below the screening value, while the upper value is above the screening value.

[a] NMED A1 TAP SCRN LVL = NMED screening level for tap water.

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

Table 5.2-1
TA-21 Monitoring Group Groundwater Results Above Screening Values

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening-Value Type
n/a*	n/a	There are no results detected above screening values for data reported in this PMR.	n/a	n/a	n/a	n/a	n/a

*n/a = Not applicable.

Appendix A

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

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
292721	LAOI(a)-1.1	295.2	09/10/2019	WG[a]	Dissolved Oxygen	8.85	mg/L	CALA-19-185289
247253	LAOI(a)-1.1	295.2	09/06/2018	WG	Dissolved Oxygen	9	mg/L	CALA-18-160738
208847	LAOI(a)-1.1	295.2	09/21/2017	WG	Dissolved Oxygen	9.05	mg/L	CALA-17-143813
193868	LAOI(a)-1.1	295.2	08/25/2016	WG	Dissolved Oxygen	8.87	mg/L	CALA-16-124847
102395	LAOI(a)-1.1	295.2	09/15/2015	WG	Dissolved Oxygen	9.27	mg/L	CALA-15-103977
—[b]	LAOI(a)-1.1	295.2	09/10/2019	WG	Flow (in gpm)[c]	0.69	gpm	CALA-19-185289
247252	LAOI(a)-1.1	295.2	09/06/2018	WG	Flow (in gpm)	0.92	gpm	CALA-18-160738
208848	LAOI(a)-1.1	295.2	09/21/2017	WG	Flow (in gpm)	0.84	gpm	CALA-17-143813
193869	LAOI(a)-1.1	295.2	08/25/2016	WG	Flow (in gpm)	0.88	gpm	CALA-16-124847
102396	LAOI(a)-1.1	295.2	09/15/2015	WG	Flow (in gpm)	0.55	gpm	CALA-15-103977
292722	LAOI(a)-1.1	295.2	09/10/2019	WG	Oxidation-Reduction Potential	312	mV	CALA-19-185289
247207	LAOI(a)-1.1	295.2	09/06/2018	WG	Oxidation-Reduction Potential	334.7	mV	CALA-18-160738
208849	LAOI(a)-1.1	295.2	09/21/2017	WG	Oxidation-Reduction Potential	264.8	mV	CALA-17-143813
193870	LAOI(a)-1.1	295.2	08/25/2016	WG	Oxidation-Reduction Potential	216.7	mV	CALA-16-124847
102397	LAOI(a)-1.1	295.2	09/15/2015	WG	Oxidation-Reduction Potential	178.7	mV	CALA-15-103977
292726	LAOI(a)-1.1	295.2	09/10/2019	WG	pH	6.58	SU[d]	CALA-19-185289
247209	LAOI(a)-1.1	295.2	09/06/2018	WG	pH	6.74	SU	CALA-18-160738
208853	LAOI(a)-1.1	295.2	09/21/2017	WG	pH	6.76	SU	CALA-17-143813
193871	LAOI(a)-1.1	295.2	08/25/2016	WG	pH	6.92	SU	CALA-16-124847
102398	LAOI(a)-1.1	295.2	09/15/2015	WG	pH	7.24	SU	CALA-15-103977
292723	LAOI(a)-1.1	295.2	09/10/2019	WG	Specific Conductance	99.1	µS/cm	CALA-19-185289
247254	LAOI(a)-1.1	295.2	09/06/2018	WG	Specific Conductance	104.9	µS/cm	CALA-18-160738
208850	LAOI(a)-1.1	295.2	09/21/2017	WG	Specific Conductance	104.1	µS/cm	CALA-17-143813
193872	LAOI(a)-1.1	295.2	08/25/2016	WG	Specific Conductance	105	µS/cm	CALA-16-124847
102399	LAOI(a)-1.1	295.2	09/15/2015	WG	Specific Conductance	117	µS/cm	CALA-15-103977
292724	LAOI(a)-1.1	295.2	09/10/2019	WG	Temperature	10.1	deg C	CALA-19-185289

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
247255	LAOI(a)-1.1	295.2	09/06/2018	WG	Temperature	10.3	deg C	CALA-18-160738
208851	LAOI(a)-1.1	295.2	09/21/2017	WG	Temperature	10.7	deg C	CALA-17-143813
193873	LAOI(a)-1.1	295.2	08/25/2016	WG	Temperature	10.1	deg C	CALA-16-124847
102400	LAOI(a)-1.1	295.2	09/15/2015	WG	Temperature	11.92	deg C	CALA-15-103977
292725	LAOI(a)-1.1	295.2	09/10/2019	WG	Turbidity	40.1	NTU[e]	CALA-19-185289
247257	LAOI(a)-1.1	295.2	09/06/2018	WG	Turbidity	44.2	NTU	CALA-18-160738
208852	LAOI(a)-1.1	295.2	09/21/2017	WG	Turbidity	36.9	NTU	CALA-17-143813
193874	LAOI(a)-1.1	295.2	08/25/2016	WG	Turbidity	34.3	NTU	CALA-16-124847
102401	LAOI(a)-1.1	295.2	09/15/2015	WG	Turbidity	25.1	NTU	CALA-15-103977
291935	LAOI-3.2	153.3	09/05/2019	WG	Dissolved Oxygen	9.38	mg/L	CALA-19-185291
247124	LAOI-3.2	153.3	09/05/2018	WG	Dissolved Oxygen	8.91	mg/L	CALA-18-160742
208568	LAOI-3.2	153.3	09/20/2017	WG	Dissolved Oxygen	9.46	mg/L	CALA-17-143814
193854	LAOI-3.2	153.3	08/24/2016	WG	Dissolved Oxygen	11.33	mg/L	CALA-16-124848
102417	LAOI-3.2	153.3	09/18/2015	WG	Dissolved Oxygen	10.14	mg/L	CALA-15-103978
291878	LAOI-3.2	153.3	09/05/2019	WG	Flow (in gpm)	0.12	gpm	CALA-19-185291
247123	LAOI-3.2	153.3	09/05/2018	WG	Flow (in gpm)	0.11	gpm	CALA-18-160742
208569	LAOI-3.2	153.3	09/20/2017	WG	Flow (in gpm)	0.125	gpm	CALA-17-143814
193855	LAOI-3.2	153.3	08/24/2016	WG	Flow (in gpm)	0.09	gpm	CALA-16-124848
102418	LAOI-3.2	153.3	09/18/2015	WG	Flow (in gpm)	0.09	gpm	CALA-15-103978
291937	LAOI-3.2	153.3	09/05/2019	WG	Oxidation-Reduction Potential	390.2	mV	CALA-19-185291
247126	LAOI-3.2	153.3	09/05/2018	WG	Oxidation-Reduction Potential	393.4	mV	CALA-18-160742
208570	LAOI-3.2	153.3	09/20/2017	WG	Oxidation-Reduction Potential	387.1	mV	CALA-17-143814
193856	LAOI-3.2	153.3	08/24/2016	WG	Oxidation-Reduction Potential	288.8	mV	CALA-16-124848
102419	LAOI-3.2	153.3	09/18/2015	WG	Oxidation-Reduction Potential	198.3	mV	CALA-15-103978
291939	LAOI-3.2	153.3	09/05/2019	WG	pH	6.38	SU	CALA-19-185291
247128	LAOI-3.2	153.3	09/05/2018	WG	pH	6.42	SU	CALA-18-160742
208574	LAOI-3.2	153.3	09/20/2017	WG	pH	6.42	SU	CALA-17-143814

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
193857	LAOI-3.2	153.3	08/24/2016	WG	pH	6.57	SU	CALA-16-124848
102420	LAOI-3.2	153.3	09/18/2015	WG	pH	6.46	SU	CALA-15-103978
291880	LAOI-3.2	153.3	09/05/2019	WG	Specific Conductance	309	µS/cm	CALA-19-185291
246964	LAOI-3.2	153.3	09/05/2018	WG	Specific Conductance	303.4	µS/cm	CALA-18-160742
208571	LAOI-3.2	153.3	09/20/2017	WG	Specific Conductance	293.9	µS/cm	CALA-17-143814
193858	LAOI-3.2	153.3	08/24/2016	WG	Specific Conductance	291.1	µS/cm	CALA-16-124848
102421	LAOI-3.2	153.3	09/18/2015	WG	Specific Conductance	293	µS/cm	CALA-15-103978
291881	LAOI-3.2	153.3	09/05/2019	WG	Temperature	12.7	deg C	CALA-19-185291
246965	LAOI-3.2	153.3	09/05/2018	WG	Temperature	16.2	deg C	CALA-18-160742
208572	LAOI-3.2	153.3	09/20/2017	WG	Temperature	12.1	deg C	CALA-17-143814
193859	LAOI-3.2	153.3	08/24/2016	WG	Temperature	12.2	deg C	CALA-16-124848
102422	LAOI-3.2	153.3	09/18/2015	WG	Temperature	12.88	deg C	CALA-15-103978
291883	LAOI-3.2	153.3	09/05/2019	WG	Turbidity	0.32	NTU	CALA-19-185291
246967	LAOI-3.2	153.3	09/05/2018	WG	Turbidity	0.37	NTU	CALA-18-160742
208573	LAOI-3.2	153.3	09/20/2017	WG	Turbidity	0.59	NTU	CALA-17-143814
193860	LAOI-3.2	153.3	08/24/2016	WG	Turbidity	18.72	NTU	CALA-16-124848
102423	LAOI-3.2	153.3	09/18/2015	WG	Turbidity	0.5	NTU	CALA-15-103978
292199	LAOI-3.2a	181.4	09/11/2019	WG	Dissolved Oxygen	8.62	mg/L	CALA-19-185293
247166	LAOI-3.2a	181.4	09/06/2018	WG	Dissolved Oxygen	8.94	mg/L	CALA-18-160749
208854	LAOI-3.2a	181.4	09/21/2017	WG	Dissolved Oxygen	8.72	mg/L	CALA-17-143815
193900	LAOI-3.2a	181.4	08/30/2016	WG	Dissolved Oxygen	8.82	mg/L	CALA-16-124849
102410	LAOI-3.2a	181.4	09/17/2015	WG	Dissolved Oxygen	8.82	mg/L	CALA-15-103979
292198	LAOI-3.2a	181.4	09/11/2019	WG	Flow (in gpm)	0.66	gpm	CALA-19-185293
247165	LAOI-3.2a	181.4	09/06/2018	WG	Flow (in gpm)	0.95	gpm	CALA-18-160749
208855	LAOI-3.2a	181.4	09/21/2017	WG	Flow (in gpm)	0.78	gpm	CALA-17-143815
193901	LAOI-3.2a	181.4	08/30/2016	WG	Flow (in gpm)	0.59	gpm	CALA-16-124849
102411	LAOI-3.2a	181.4	09/17/2015	WG	Flow (in gpm)	0.69	gpm	CALA-15-103979

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
292252	LAOI-3.2a	181.4	09/11/2019	WG	Oxidation-Reduction Potential	243.8	mV	CALA-19-185293
247168	LAOI-3.2a	181.4	09/06/2018	WG	Oxidation-Reduction Potential	333.1	mV	CALA-18-160749
208856	LAOI-3.2a	181.4	09/21/2017	WG	Oxidation-Reduction Potential	270.1	mV	CALA-17-143815
193902	LAOI-3.2a	181.4	08/30/2016	WG	Oxidation-Reduction Potential	202.5	mV	CALA-16-124849
102412	LAOI-3.2a	181.4	09/17/2015	WG	Oxidation-Reduction Potential	192	mV	CALA-15-103979
292254	LAOI-3.2a	181.4	09/11/2019	WG	pH	6.31	SU	CALA-19-185293
247138	LAOI-3.2a	181.4	09/06/2018	WG	pH	6.56	SU	CALA-18-160749
208860	LAOI-3.2a	181.4	09/21/2017	WG	pH	6.5	SU	CALA-17-143815
193903	LAOI-3.2a	181.4	08/30/2016	WG	pH	6.7	SU	CALA-16-124849
102413	LAOI-3.2a	181.4	09/17/2015	WG	pH	6.42	SU	CALA-15-103979
292256	LAOI-3.2a	181.4	09/11/2019	WG	Specific Conductance	286.1	µS/cm	CALA-19-185293
247140	LAOI-3.2a	181.4	09/06/2018	WG	Specific Conductance	279.7	µS/cm	CALA-18-160749
208857	LAOI-3.2a	181.4	09/21/2017	WG	Specific Conductance	275.6	µS/cm	CALA-17-143815
193904	LAOI-3.2a	181.4	08/30/2016	WG	Specific Conductance	272.9	µS/cm	CALA-16-124849
102414	LAOI-3.2a	181.4	09/17/2015	WG	Specific Conductance	278	µS/cm	CALA-15-103979
292200	LAOI-3.2a	181.4	09/11/2019	WG	Temperature	12.2	deg C	CALA-19-185293
247141	LAOI-3.2a	181.4	09/06/2018	WG	Temperature	12.1	deg C	CALA-18-160749
208858	LAOI-3.2a	181.4	09/21/2017	WG	Temperature	12.4	deg C	CALA-17-143815
193905	LAOI-3.2a	181.4	08/30/2016	WG	Temperature	12.5	deg C	CALA-16-124849
102415	LAOI-3.2a	181.4	09/17/2015	WG	Temperature	13.22	deg C	CALA-15-103979
292202	LAOI-3.2a	181.4	09/11/2019	WG	Turbidity	1.2	NTU	CALA-19-185293
247170	LAOI-3.2a	181.4	09/06/2018	WG	Turbidity	0.83	NTU	CALA-18-160749
208859	LAOI-3.2a	181.4	09/21/2017	WG	Turbidity	0.43	NTU	CALA-17-143815
193906	LAOI-3.2a	181.4	08/30/2016	WG	Turbidity	0.78	NTU	CALA-16-124849
102416	LAOI-3.2a	181.4	09/17/2015	WG	Turbidity	0.5	NTU	CALA-15-103979
293431	LAOI-7	240.0	09/17/2019	WG	Dissolved Oxygen	7.83	mg/L	CALA-19-185295
248439	LAOI-7	240.0	09/17/2018	WG	Dissolved Oxygen	8.01	mg/L	CALA-18-160752

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
208861	LAOI-7	240.0	09/26/2017	WG	Dissolved Oxygen	8.03	mg/L	CALA-17-144812
193914	LAOI-7	240.0	08/31/2016	WG	Dissolved Oxygen	7.79	mg/L	CALA-16-124850
80883	LAOI-7	240.0	09/11/2014	WG	Dissolved Oxygen	7.88	mg/L	CALA-14-86013
—	LAOI-7	240.0	09/17/2019	WG	Flow (in gpm)	2	gpm	CALA-19-185295
248438	LAOI-7	240.0	09/17/2018	WG	Flow (in gpm)	1.94	gpm	CALA-18-160752
208862	LAOI-7	240.0	09/26/2017	WG	Flow (in gpm)	1.57	gpm	CALA-17-144812
193915	LAOI-7	240.0	08/31/2016	WG	Flow (in gpm)	1.2	gpm	CALA-16-124850
80884	LAOI-7	240.0	09/11/2014	WG	Flow (in gpm)	1.86	gpm	CALA-14-86013
293432	LAOI-7	240.0	09/17/2019	WG	Oxidation-Reduction Potential	69.8	mV	CALA-19-185295
248488	LAOI-7	240.0	09/17/2018	WG	Oxidation-Reduction Potential	257.7	mV	CALA-18-160752
208863	LAOI-7	240.0	09/26/2017	WG	Oxidation-Reduction Potential	52.8	mV	CALA-17-144812
193916	LAOI-7	240.0	08/31/2016	WG	Oxidation-Reduction Potential	34.6	mV	CALA-16-124850
80885	LAOI-7	240.0	09/11/2014	WG	Oxidation-Reduction Potential	75.4	mV	CALA-14-86013
293437	LAOI-7	240.0	09/17/2019	WG	pH	6.92	SU	CALA-19-185295
248490	LAOI-7	240.0	09/17/2018	WG	pH	6.92	SU	CALA-18-160752
208867	LAOI-7	240.0	09/26/2017	WG	pH	7.01	SU	CALA-17-144812
193917	LAOI-7	240.0	08/31/2016	WG	pH	7.09	SU	CALA-16-124850
80886	LAOI-7	240.0	09/11/2014	WG	pH	7.88	SU	CALA-14-86013
293434	LAOI-7	240.0	09/17/2019	WG	Specific Conductance	213.7	µS/cm	CALA-19-185295
248441	LAOI-7	240.0	09/17/2018	WG	Specific Conductance	212.5	µS/cm	CALA-18-160752
208864	LAOI-7	240.0	09/26/2017	WG	Specific Conductance	219.1	µS/cm	CALA-17-144812
193918	LAOI-7	240.0	08/31/2016	WG	Specific Conductance	202.5	µS/cm	CALA-16-124850
80887	LAOI-7	240.0	09/11/2014	WG	Specific Conductance	202	µS/cm	CALA-14-86013
293435	LAOI-7	240.0	09/17/2019	WG	Temperature	14.3	deg C	CALA-19-185295
248442	LAOI-7	240.0	09/17/2018	WG	Temperature	14.6	deg C	CALA-18-160752
208865	LAOI-7	240.0	09/26/2017	WG	Temperature	14	deg C	CALA-17-144812
193919	LAOI-7	240.0	08/31/2016	WG	Temperature	14.8	deg C	CALA-16-124850

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
80888	LAOI-7	240.0	09/11/2014	WG	Temperature	15.18	deg C	CALA-14-86013
293436	LAOI-7	240.0	09/17/2019	WG	Turbidity	0.9	NTU	CALA-19-185295
248492	LAOI-7	240.0	09/17/2018	WG	Turbidity	1.73	NTU	CALA-18-160752
208866	LAOI-7	240.0	09/26/2017	WG	Turbidity	1.42	NTU	CALA-17-144812
193920	LAOI-7	240.0	08/31/2016	WG	Turbidity	3	NTU	CALA-16-124850
80889	LAOI-7	240.0	09/11/2014	WG	Turbidity	0.9	NTU	CALA-14-86013
292012	R-6	1205.0	09/09/2019	WG	Dissolved Oxygen	5.43	mg/L	CALA-19-185305
247310	R-6	1205.0	09/07/2018	WG	Dissolved Oxygen	5.36	mg/L	CALA-18-160764
204656	R-6	1205.0	03/23/2017	WG	Dissolved Oxygen	5.37	mg/L	CALA-17-130495
193823	R-6	1205.0	08/23/2016	WG	Dissolved Oxygen	5.43	mg/L	CALA-16-124853
188301	R-6	1205.0	03/01/2016	WG	Dissolved Oxygen	5.38	mg/L	CALA-16-110553
292011	R-6	1205.0	09/09/2019	WG	Flow (in gpm)	8.11	gpm	CALA-19-185305
247309	R-6	1205.0	09/07/2018	WG	Flow (in gpm)	8.82	gpm	CALA-18-160764
204657	R-6	1205.0	03/23/2017	WG	Flow (in gpm)	8.11	gpm	CALA-17-130495
193824	R-6	1205.0	08/23/2016	WG	Flow (in gpm)	8.33	gpm	CALA-16-124853
188302	R-6	1205.0	03/01/2016	WG	Flow (in gpm)	8.50	gpm	CALA-16-110553
291973	R-6	1205.0	09/09/2019	WG	Oxidation-Reduction Potential	199.7	mV	CALA-19-185305
247342	R-6	1205.0	09/07/2018	WG	Oxidation-Reduction Potential	225.9	mV	CALA-18-160764
204658	R-6	1205.0	03/23/2017	WG	Oxidation-Reduction Potential	121.3	mV	CALA-17-130495
193825	R-6	1205.0	08/23/2016	WG	Oxidation-Reduction Potential	61	mV	CALA-16-124853
188303	R-6	1205.0	03/01/2016	WG	Oxidation-Reduction Potential	78.8	mV	CALA-16-110553
291975	R-6	1205.0	09/09/2019	WG	pH	7.97	SU	CALA-19-185305
247344	R-6	1205.0	09/07/2018	WG	pH	8.0	SU	CALA-18-160764
204662	R-6	1205.0	03/23/2017	WG	pH	8.2	SU	CALA-17-130495
193826	R-6	1205.0	08/23/2016	WG	pH	8.19	SU	CALA-16-124853
188304	R-6	1205.0	03/01/2016	WG	pH	8.07	SU	CALA-16-110553
292075	R-6	1205.0	09/09/2019	WG	Specific Conductance	136	µS/cm	CALA-19-185305

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
247346	R-6	1205.0	09/07/2018	WG	Specific Conductance	139.2	µS/cm	CALA-18-160764
204659	R-6	1205.0	03/23/2017	WG	Specific Conductance	139.6	µS/cm	CALA-17-130495
193827	R-6	1205.0	08/23/2016	WG	Specific Conductance	139.5	µS/cm	CALA-16-124853
188305	R-6	1205.0	03/01/2016	WG	Specific Conductance	144	µS/cm	CALA-16-110553
292076	R-6	1205.0	09/09/2019	WG	Temperature	22.7	deg C	CALA-19-185305
247347	R-6	1205.0	09/07/2018	WG	Temperature	22.7	deg C	CALA-18-160764
204660	R-6	1205.0	03/23/2017	WG	Temperature	22.5	deg C	CALA-17-130495
193828	R-6	1205.0	08/23/2016	WG	Temperature	22	deg C	CALA-16-124853
188306	R-6	1205.0	03/01/2016	WG	Temperature	21.8	deg C	CALA-16-110553
292078	R-6	1205.0	09/09/2019	WG	Turbidity	0.58	NTU	CALA-19-185305
247312	R-6	1205.0	09/07/2018	WG	Turbidity	0.32	NTU	CALA-18-160764
204661	R-6	1205.0	03/23/2017	WG	Turbidity	0.32	NTU	CALA-17-130495
193829	R-6	1205.0	08/23/2016	WG	Turbidity	6.1	NTU	CALA-16-124853
188307	R-6	1205.0	03/01/2016	WG	Turbidity	0.1	NTU	CALA-16-110553
291805	R-64	1285.0	09/04/2019	WG	Dissolved Oxygen	6.34	mg/L	CALA-19-185308
246749	R-64	1285.0	09/04/2018	WG	Dissolved Oxygen	6.1	mg/L	CALA-18-160767
204663	R-64	1285.0	03/23/2017	WG	Dissolved Oxygen	6.3	mg/L	CALA-17-130496
193893	R-64	1285.0	08/29/2016	WG	Dissolved Oxygen	5.94	mg/L	CALA-16-124854
188308	R-64	1285.0	03/01/2016	WG	Dissolved Oxygen	6.59	mg/L	CALA-16-110554
291804	R-64	1285.0	09/04/2019	WG	Flow (in gpm)	7.14	gpm	CALA-19-185308
246748	R-64	1285.0	09/04/2018	WG	Flow (in gpm)	7.14	gpm	CALA-18-160767
193894	R-64	1285.0	09/19/2017	WG	Flow (in gpm)	6.98	gpm	CALA-17-130496
204664	R-64	1285.0	03/23/2017	WG	Flow (in gpm)	6.97	gpm	CALA-16-124854
188309	R-64	1285.0	03/01/2016	WG	Flow (in gpm)	7.50	gpm	CALA-16-110554
291754	R-64	1285.0	09/04/2019	WG	Oxidation-Reduction Potential	247.1	mV	CALA-19-185308
246751	R-64	1285.0	09/04/2018	WG	Oxidation-Reduction Potential	167.2	mV	CALA-18-160767
204665	R-64	1285.0	03/23/2017	WG	Oxidation-Reduction Potential	163.6	mV	CALA-17-130496

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
193895	R-64	1285.0	08/29/2016	WG	Oxidation-Reduction Potential	140.1	mV	CALA-16-124854
188310	R-64	1285.0	03/01/2016	WG	Oxidation-Reduction Potential	80.9	mV	CALA-16-110554
291756	R-64	1285.0	09/04/2019	WG	pH	8.37	SU	CALA-19-185308
246706	R-64	1285.0	09/04/2018	WG	pH	8.31	SU	CALA-18-160767
204669	R-64	1285.0	03/23/2017	WG	pH	8.24	SU	CALA-17-130496
193896	R-64	1285.0	08/29/2016	WG	pH	8.32	SU	CALA-16-124854
188311	R-64	1285.0	03/01/2016	WG	pH	8.1	SU	CALA-16-110554
291758	R-64	1285.0	09/04/2019	WG	Specific Conductance	122.1	µS/cm	CALA-19-185308
246708	R-64	1285.0	09/04/2018	WG	Specific Conductance	124.1	µS/cm	CALA-18-160767
204666	R-64	1285.0	03/23/2017	WG	Specific Conductance	124.6	µS/cm	CALA-17-130496
193897	R-64	1285.0	08/29/2016	WG	Specific Conductance	128.6	µS/cm	CALA-16-124854
188312	R-64	1285.0	03/01/2016	WG	Specific Conductance	128	µS/cm	CALA-16-110554
291807	R-64	1285.0	09/04/2019	WG	Temperature	19	deg C	CALA-19-185308
246709	R-64	1285.0	09/04/2018	WG	Temperature	19.2	deg C	CALA-18-160767
204667	R-64	1285.0	03/23/2017	WG	Temperature	19.1	deg C	CALA-17-130496
193898	R-64	1285.0	08/29/2016	WG	Temperature	20.4	deg C	CALA-16-124854
188313	R-64	1285.0	03/01/2016	WG	Temperature	17.42	deg C	CALA-16-110554
291809	R-64	1285.0	09/04/2019	WG	Turbidity	1.1	NTU	CALA-19-185308
246753	R-64	1285.0	09/04/2018	WG	Turbidity	1.19	NTU	CALA-18-160767
204668	R-64	1285.0	03/23/2017	WG	Turbidity	1.4	NTU	CALA-17-130496
193899	R-64	1285.0	08/29/2016	WG	Turbidity	3.1	NTU	CALA-16-124854
188314	R-64	1285.0	03/01/2016	WG	Turbidity	1.5	NTU	CALA-16-110554
292409	R-66	819.4	09/12/2019	WG	Dissolved Oxygen	6.67	mg/L	CALA-19-185310
248672	R-66	819.4	09/18/2018	WG	Dissolved Oxygen	6.69	mg/L	CALA-18-160770
208882	R-66	819.4	09/27/2017	WG	Dissolved Oxygen	6.69	mg/L	CALA-17-144815
204684	R-66	819.4	03/28/2017	WG	Dissolved Oxygen	6.6	mg/L	CALA-17-130497
193907	R-66	819.4	08/30/2016	WG	Dissolved Oxygen	6.6	mg/L	CALA-16-124855

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
292408	R-66	819.4	09/12/2019	WG	Flow (in gpm)	4.84	gpm	CALA-19-185310
248671	R-66	819.4	09/18/2018	WG	Flow (in gpm)	5	gpm	CALA-18-160770
208883	R-66	819.4	09/27/2017	WG	Flow (in gpm)	4.83	gpm	CALA-17-144815
204685	R-66	819.4	03/28/2017	WG	Flow (in gpm)	5.0	gpm	CALA-17-130497
193908	R-66	819.4	08/30/2016	WG	Flow (in gpm)	5.0	gpm	CALA-16-124855
292411	R-66	819.4	09/12/2019	WG	Oxidation-Reduction Potential	229	mV	CALA-19-185310
248674	R-66	819.4	09/18/2018	WG	Oxidation-Reduction Potential	304.6	mV	CALA-18-160770
208884	R-66	819.4	09/27/2017	WG	Oxidation-Reduction Potential	213	mV	CALA-17-144815
204686	R-66	819.4	03/28/2017	WG	Oxidation-Reduction Potential	236.8	mV	CALA-17-130497
193909	R-66	819.4	08/30/2016	WG	Oxidation-Reduction Potential	178.1	mV	CALA-16-124855
292413	R-66	819.4	09/12/2019	WG	pH	7.68	SU	CALA-19-185310
248622	R-66	819.4	09/18/2018	WG	pH	7.85	SU	CALA-18-160770
208888	R-66	819.4	09/27/2017	WG	pH	7.78	SU	CALA-17-144815
204690	R-66	819.4	03/28/2017	WG	pH	7.87	SU	CALA-17-130497
193910	R-66	819.4	08/30/2016	WG	pH	7.75	SU	CALA-16-124855
292358	R-66	819.4	09/12/2019	WG	Specific Conductance	186.4	µS/cm	CALA-19-185310
248624	R-66	819.4	09/18/2018	WG	Specific Conductance	189.7	µS/cm	CALA-18-160770
208885	R-66	819.4	09/27/2017	WG	Specific Conductance	189.7	µS/cm	CALA-17-144815
204687	R-66	819.4	03/28/2017	WG	Specific Conductance	190.3	µS/cm	CALA-17-130497
193911	R-66	819.4	08/30/2016	WG	Specific Conductance	192.2	µS/cm	CALA-16-124855
292359	R-66	819.4	09/12/2019	WG	Temperature	23.4	deg C	CALA-19-185310
248625	R-66	819.4	09/18/2018	WG	Temperature	23.8	deg C	CALA-18-160770
208886	R-66	819.4	09/27/2017	WG	Temperature	23.1	deg C	CALA-17-144815
204688	R-66	819.4	03/28/2017	WG	Temperature	22.7	deg C	CALA-17-130497
193912	R-66	819.4	08/30/2016	WG	Temperature	23.8	deg C	CALA-16-124855
292361	R-66	819.4	09/12/2019	WG	Turbidity	2.12	NTU	CALA-19-185310
248676	R-66	819.4	09/18/2018	WG	Turbidity	4.1	NTU	CALA-18-160770

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
208887	R-66	819.4	09/27/2017	WG	Turbidity	0.29	NTU	CALA-17-144815
204689	R-66	819.4	03/28/2017	WG	Turbidity	0.69	NTU	CALA-17-130497
193913	R-66	819.4	08/30/2016	WG	Turbidity	0.42	NTU	CALA-16-124855
292160	R-6i	602.0	09/09/2019	WG	Dissolved Oxygen	7.45	mg/L	CALA-19-185297
247450	R-6i	602.0	09/07/2018	WG	Dissolved Oxygen	7.43	mg/L	CALA-18-160755
220261	R-6i	602.0	09/25/2017	WG	Dissolved Oxygen	7.33	mg/L	CALA-17-144816
193830	R-6i	602.0	08/23/2016	WG	Dissolved Oxygen	7.3	mg/L	CALA-16-124856
102376	R-6i	602.0	09/10/2015	WG	Dissolved Oxygen	7.24	mg/L	CALA-15-103992
292159	R-6i	602.0	09/09/2019	WG	Flow (in gpm)	4.29	gpm	CALA-19-185297
247449	R-6i	602.0	09/07/2018	WG	Flow (in gpm)	3.09	gpm	CALA-18-160755
220262	R-6i	602.0	09/25/2017	WG	Flow (in gpm)	3.12	gpm	CALA-17-144816
193831	R-6i	602.0	08/23/2016	WG	Flow (in gpm)	3.9	gpm	CALA-16-124856
102377	R-6i	602.0	09/10/2015	WG	Flow (in gpm)	4.2	gpm	CALA-15-103992
292149	R-6i	602.0	09/09/2019	WG	Oxidation-Reduction Potential	164.9	mV	CALA-19-185297
247412	R-6i	602.0	09/07/2018	WG	Oxidation-Reduction Potential	222.9	mV	CALA-18-160755
220263	R-6i	602.0	09/25/2017	WG	Oxidation-Reduction Potential	163.2	mV	CALA-17-144816
193832	R-6i	602.0	08/23/2016	WG	Oxidation-Reduction Potential	123.8	mV	CALA-16-124856
102378	R-6i	602.0	09/10/2015	WG	Oxidation-Reduction Potential	125.6	mV	CALA-15-103992
292151	R-6i	602.0	09/09/2019	WG	pH	7.34	SU	CALA-19-185297
247414	R-6i	602.0	09/07/2018	WG	pH	7.34	SU	CALA-18-160755
220267	R-6i	602.0	09/25/2017	WG	pH	7.29	SU	CALA-17-144816
193833	R-6i	602.0	08/23/2016	WG	pH	7.47	SU	CALA-16-124856
102379	R-6i	602.0	09/10/2015	WG	pH	7.32	SU	CALA-15-103992
292161	R-6i	602.0	09/09/2019	WG	Specific Conductance	199	µS/cm	CALA-19-185297
247451	R-6i	602.0	09/07/2018	WG	Specific Conductance	210	µS/cm	CALA-18-160755
220264	R-6i	602.0	09/25/2017	WG	Specific Conductance	220.3	µS/cm	CALA-17-144816
193834	R-6i	602.0	08/23/2016	WG	Specific Conductance	232.5	µS/cm	CALA-16-124856

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
102380	R-6i	602.0	09/10/2015	WG	Specific Conductance	237	µS/cm	CALA-15-103992
292162	R-6i	602.0	09/09/2019	WG	Temperature	17.7	deg C	CALA-19-185297
247452	R-6i	602.0	09/07/2018	WG	Temperature	17.3	deg C	CALA-18-160755
220265	R-6i	602.0	09/25/2017	WG	Temperature	16.8	deg C	CALA-17-144816
193835	R-6i	602.0	08/23/2016	WG	Temperature	17.8	deg C	CALA-16-124856
102381	R-6i	602.0	09/10/2015	WG	Temperature	18.17	deg C	CALA-15-103992
292164	R-6i	602.0	09/09/2019	WG	Turbidity	0.64	NTU	CALA-19-185297
247454	R-6i	602.0	09/07/2018	WG	Turbidity	0.41	NTU	CALA-18-160755
220266	R-6i	602.0	09/25/2017	WG	Turbidity	2.79	NTU	CALA-17-144816
193836	R-6i	602.0	08/23/2016	WG	Turbidity	0.3	NTU	CALA-16-124856
102382	R-6i	602.0	09/10/2015	WG	Turbidity	0.2	NTU	CALA-15-103992
293047	R-9	683.0	09/16/2019	WG	Dissolved Oxygen	5.69	mg/L	CALA-19-185316
248557	R-9	683.0	09/17/2018	WG	Dissolved Oxygen	6.14	mg/L	CALA-18-160776
208868	R-9	683.0	09/26/2017	WG	Dissolved Oxygen	5.53	mg/L	CALA-17-144817
193861	R-9	683.0	08/25/2016	WG	Dissolved Oxygen	5.67	mg/L	CALA-16-124859
102403	R-9	683.0	09/16/2015	WG	Dissolved Oxygen	5.94	mg/L	CALA-15-103995
293046	R-9	683.0	09/16/2019	WG	Flow (in gpm)	9.09	gpm	CALA-19-185316
248556	R-9	683.0	09/17/2018	WG	Flow (in gpm)	9.38	gpm	CALA-18-160776
208869	R-9	683.0	09/26/2017	WG	Flow (in gpm)	10.0	gpm	CALA-17-144817
193862	R-9	683.0	08/25/2016	WG	Flow (in gpm)	10.0	gpm	CALA-16-124859
102404	R-9	683.0	09/16/2015	WG	Flow (in gpm)	9.60	gpm	CALA-15-103995
293049	R-9	683.0	09/16/2019	WG	Oxidation-Reduction Potential	211.3	mV	CALA-19-185316
248519	R-9	683.0	09/17/2018	WG	Oxidation-Reduction Potential	263.9	mV	CALA-18-160776
208870	R-9	683.0	09/26/2017	WG	Oxidation-Reduction Potential	144	mV	CALA-17-144817
193863	R-9	683.0	08/25/2016	WG	Oxidation-Reduction Potential	161.8	mV	CALA-16-124859
102405	R-9	683.0	09/16/2015	WG	Oxidation-Reduction Potential	128.7	mV	CALA-15-103995
293084	R-9	683.0	09/16/2019	WG	pH	7.93	SU	CALA-19-185316

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
248558	R-9	683.0	09/17/2018	WG	pH	8.11	SU	CALA-18-160776
208874	R-9	683.0	09/26/2017	WG	pH	8.04	SU	CALA-17-144817
193864	R-9	683.0	08/25/2016	WG	pH	8.09	SU	CALA-16-124859
102406	R-9	683.0	09/16/2015	WG	pH	8.03	SU	CALA-15-103995
293086	R-9	683.0	09/16/2019	WG	Specific Conductance	250.6	µS/cm	CALA-19-185316
248560	R-9	683.0	09/17/2018	WG	Specific Conductance	252.5	µS/cm	CALA-18-160776
208871	R-9	683.0	09/26/2017	WG	Specific Conductance	252.6	µS/cm	CALA-17-144817
193865	R-9	683.0	08/25/2016	WG	Specific Conductance	253.5	µS/cm	CALA-16-124859
102407	R-9	683.0	09/16/2015	WG	Specific Conductance	253	µS/cm	CALA-15-103995
293087	R-9	683.0	09/16/2019	WG	Temperature	22	deg C	CALA-19-185316
248561	R-9	683.0	09/17/2018	WG	Temperature	22.8	deg C	CALA-18-160776
208872	R-9	683.0	09/26/2017	WG	Temperature	22.3	deg C	CALA-17-144817
193866	R-9	683.0	08/25/2016	WG	Temperature	22.5	deg C	CALA-16-124859
102408	R-9	683.0	09/16/2015	WG	Temperature	22.67	deg C	CALA-15-103995
293089	R-9	683.0	09/16/2019	WG	Turbidity	0.63	NTU	CALA-19-185316
248522	R-9	683.0	09/17/2018	WG	Turbidity	1.2	NTU	CALA-18-160776
208873	R-9	683.0	09/26/2017	WG	Turbidity	0.24	NTU	CALA-17-144817
193867	R-9	683.0	08/25/2016	WG	Turbidity	0.39	NTU	CALA-16-124859
102409	R-9	683.0	09/16/2015	WG	Turbidity	1.28	NTU	CALA-15-103995
293023	TA-53i	600.0	09/18/2019	WG	Dissolved Oxygen	7.73	mg/L	CALA-19-185302
248916	TA-53i	600.0	09/21/2018	WG	Dissolved Oxygen	7.67	mg/L	CALA-18-160759
220268	TA-53i	600.0	09/25/2017	WG	Dissolved Oxygen	7.61	mg/L	CALA-17-144818
193816	TA-53i	600.0	08/22/2016	WG	Dissolved Oxygen	7.9	mg/L	CALA-16-124861
102350	TA-53i	600.0	09/08/2015	WG	Dissolved Oxygen	7.6	mg/L	CALA-15-103997
293022	TA-53i	600.0	09/18/2019	WG	Flow (in gpm)	4.29	gpm	CALA-19-185302
248915	TA-53i	600.0	09/21/2018	WG	Flow (in gpm)	4.41	gpm	CALA-18-160759
220269	TA-53i	600.0	09/25/2017	WG	Flow (in gpm)	4.4	gpm	CALA-17-144818

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
193817	TA-53i	600.0	08/22/2016	WG	Flow (in gpm)	3.06	gpm	CALA-16-124861
102351	TA-53i	600.0	09/08/2015	WG	Flow (in gpm)	3.26	gpm	CALA-15-103997
293025	TA-53i	600.0	09/18/2019	WG	Oxidation-Reduction Potential	127.4	mV	CALA-19-185302
248918	TA-53i	600.0	09/21/2018	WG	Oxidation-Reduction Potential	179	mV	CALA-18-160759
220270	TA-53i	600.0	09/25/2017	WG	Oxidation-Reduction Potential	93.7	mV	CALA-17-144818
193818	TA-53i	600.0	08/22/2016	WG	Oxidation-Reduction Potential	102.5	mV	CALA-16-124861
102352	TA-53i	600.0	09/08/2015	WG	Oxidation-Reduction Potential	7.9	mV	CALA-15-103997
292976	TA-53i	600.0	09/18/2019	WG	pH	7	SU	CALA-19-185302
248920	TA-53i	600.0	09/21/2018	WG	pH	6.83	SU	CALA-18-160759
220274	TA-53i	600.0	09/25/2017	WG	pH	6.9	SU	CALA-17-144818
193819	TA-53i	600.0	08/22/2016	WG	pH	6.93	SU	CALA-16-124861
102353	TA-53i	600.0	09/08/2015	WG	pH	6.77	SU	CALA-15-103997
292978	TA-53i	600.0	09/18/2019	WG	Specific Conductance	418.6	µS/cm	CALA-19-185302
248922	TA-53i	600.0	09/21/2018	WG	Specific Conductance	403.3	µS/cm	CALA-18-160759
220271	TA-53i	600.0	09/25/2017	WG	Specific Conductance	390	µS/cm	CALA-17-144818
193820	TA-53i	600.0	08/22/2016	WG	Specific Conductance	382.1	µS/cm	CALA-16-124861
102354	TA-53i	600.0	09/08/2015	WG	Specific Conductance	371	µS/cm	CALA-15-103997
292979	TA-53i	600.0	09/18/2019	WG	Temperature	15.2	deg C	CALA-19-185302
248934	TA-53i	600.0	09/21/2018	WG	Temperature	15.6	deg C	CALA-18-160759
220272	TA-53i	600.0	09/25/2017	WG	Temperature	15.7	deg C	CALA-17-144818
193821	TA-53i	600.0	08/22/2016	WG	Temperature	15.2	deg C	CALA-16-124861
102355	TA-53i	600.0	09/08/2015	WG	Temperature	15.77	deg C	CALA-15-103997
293027	TA-53i	600.0	09/18/2019	WG	Turbidity	1.03	NTU	CALA-19-185302

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
248936	TA-53i	600.0	09/21/2018	WG	Turbidity	1.58	NTU	CALA-18-160759
220273	TA-53i	600.0	09/25/2017	WG	Turbidity	0	NTU	CALA-17-144818
193822	TA-53i	600.0	08/22/2016	WG	Turbidity	0.6	NTU	CALA-16-124861
102356	TA-53i	600.0	09/08/2015	WG	Turbidity	3.1	NTU	CALA-15-103997

[a] WG = Groundwater.

[b] — = Flow field parameters at this location were not assigned a field measurement record ID. Data is from the field notes.

[c] gpm = Gallons per minute.

[d] SU = Standard unit.

[e] NTU = Nephelometric turbidity unit.

Appendix B

Groundwater Elevation Measurements
(on CD included with this document)

Appendix C

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

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes; (2) analytical laboratory qualifier codes; and (3) secondary validation flag codes (4) background value sources that may be used in Appendix C. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the terms in the lists.

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IS	internal standard
LAL	lower acceptance limit
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
LOC	level of chlorination
LSC	liquid scintillation counting
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitroso-RDX
MS	matrix spike
MSD	matrix spike duplicate
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
NM	New Mexico
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	Royal Demolition Explosive
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifiers

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 Qualifiers (continued)

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

Analytical Laboratory Qualifiers (continued)

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

Validation Qualifiers

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.

Background Values

Symbol	Background Values
—	No background values available
*i	Intermediate 95% background level reported in the "Groundwater Background Investigation Report, Revision 5" (LANL 2016, 601920)
*r	Regional 95% background level reported in the "Groundwater Background Investigation Report, Revision 5" (LANL 2016, 601920)

Note: Background values in Table C-1 are upper tolerance limits reported in the "Groundwater Background Investigation Report, Revision 5" (LANL 2016, 601920) unless otherwise noted.

REFERENCE

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

LANL (Los Alamos National Laboratory), October 27, 2016. "Groundwater Background Investigation Report, Revision 5," Los Alamos National Laboratory document LA-UR-16-27907, Los Alamos, New Mexico. (LANL 2016, 601920)

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	—	62.0	Su	—	0.01	Y	H	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	43.7	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[j]	µg/L	—	68.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0366	0.0188	—	0.00829*[j]	pCi/L	0.0354	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0393	—	—	0.0606*[j]	mg/L	—	0.017	Y	J	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	10	2.82*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.18	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	750	16.2*[j]	µg/L	—	15.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.51	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.22	1.17	—	2.96*[j]	pCi/L	4.53	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.26	—	250	3.11	mg/L	—	0.067	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	50	2.72*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.05	1.11	—	2.68*[j]	pCi/L	4.35	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[j]	mg/L	—	0.00167	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.214	—	1.6	0.234	mg/L	—	0.033	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	14.7	2.47	15	3.85*[j]	pCi/L	2.77	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	19.1	1.58	—	9.18*[j]	pCi/L	2.97	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.5	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	48.9	—	1000	54.1*[j]	µg/L	—	30.0	Y	J	J	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[j]	µg/L	—	0.5	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.01	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	8.39*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.121	—	2	0.067*[j]	µg/L	—	0.067	Y	J	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.101	—	2	0.067*[j]	µg/L	—	0.067	Y	J	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	1000	2.9	µg/L	—	0.2	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.54	1.97	—	5.84*[j]	pCi/L	7.53	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	3.65	µg/L	—	0.6	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.46	—	10	0.459	mg/L	—	0.017	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.426	—	13.8	0.27	µg/L	—	0.05	Y	—	J	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0278	0.0145	—	0.00732*[j]	pCi/L	0.0443	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00253	0.011	—	0.0132*[j]	pCi/L	0.0478	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.64	—	—	2.35	mg/L	—	0.05	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.96	17.7	—	38.6*[j]	pCi/L	64.7	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.9	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.03	—	—	18.2	mg/L	—	0.1	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.00346	0.945	—	2.02*[j]	pCi/L	3.78	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	95.7	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	37.2	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.11	0.129	8	0.282*[j]	pCi/L	0.483	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	600	7.1	mg/L	—	0.133	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[j]	µg/L	—	0.6	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[j]	µg/L	—	2.5	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109.0	—	1000	152	mg/L	—	3.4	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0944	—	—	0.173*[j]	mg/L	—	0.033	Y	J	J+	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.353	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0631	—	—	0.178*[j]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.26	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.315	0.0441	27.2	0.477	pCi/L	0.107	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0273	0.0178	28.8	0.0203*[i]	pCi/L	0.0802	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.382	0.0474	30	0.201	pCi/L	0.0718	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	1.0	—	63.1	9.29	µg/L	—	1.0	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	15.8	—	10000	17.4*[i]	µg/L	—	3.3	Y	J	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.75	—	—	62.0	SU	—	0.01	Y	H	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.9	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[i]	µg/L	—	68.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00774	0.00908	—	0.00829*[i]	pCi/L	0.0262	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.0606*[i]	mg/L	—	0.017	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[i]	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.95	—	10	2.82*[i]	µg/L	—	2.0	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.5	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[i]	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	750	16.2*[i]	µg/L	—	15.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.6	—	—	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.8	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0409	1.06	—	2.96*[i]	pCi/L	3.79	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32.8	—	250	3.11	mg/L	—	0.335	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	50	2.72*[i]	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.53	1.77	—	2.68*[i]	pCi/L	4.68	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[i]	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[i]	mg/L	—	0.00167	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	N	0.033	—	1.6	0.234	mg/L	—	0.033	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.37	0.996	15	3.85*[i]	pCi/L	2.74	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.37	1.04	—	9.18*[i]	pCi/L	2.84	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	98.9	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	54.1*[i]	µg/L	—	30.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[i]	µg/L	—	0.5	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.78	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	8.39*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[i]	µg/L	—	0.067	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[i]	µg/L	—	0.067	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.389	—	1000	2.9	µg/L	—	0.2	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.03	1.95	—	5.84*[i]	pCi/L	6.41	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	3.65	µg/L	—	0.6	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.85	—	10	0.459	mg/L	—	0.085	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.64	—	13.8	0.27	µg/L	—	0.2	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0184	0.0108	—	0.00732*[i]	pCi/L	0.0402	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0161	0.011	—	0.0132*[i]	pCi/L	0.0434	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.33	—	—	2.35	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	24.1	—	38.6*[i]	pCi/L	34.9	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.4	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.7	—	—	18.2	mg/L	—	0.1	Y	N	J-	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.11	0.642	—	2.02*[i]	pCi/L	2.78	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	290.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137.0	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.221	0.113	8	0.282*[i]	pCi/L	0.481	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.1	—	600	7.1	mg/L	—	0.133	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[i]	µg/L	—	0.6	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.52	—	12000	13*[i]	µg/L	—	2.5	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	250.0	—	1000	152	mg/L	—	3.4	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.157	—	—	0.173*[j]	mg/L	—	0.033	Y	—	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.879	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0769	—	—	0.178*[j]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1120.0	85.2	20000	2.02*[j]	pCi/L	160.0	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.702	0.0672	27.2	0.477	pCi/L	0.121	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0193	0.0164	28.8	0.0203*[j]	pCi/L	0.0907	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.616	0.0632	30	0.201	pCi/L	0.0812	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	1.0	—	63.1	9.29	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	4.51	—	10000	17.4*[j]	µg/L	—	3.3	Y	J	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.88	—	—	62.0	SU	—	0.01	Y	H	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[j]	µg/L	—	68.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00262	0.00869	—	0.00829*[j]	pCi/L	0.0355	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.115	—	—	0.0606*[j]	mg/L	—	0.017	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	10	2.82*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.3	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	—	750	16.2*[j]	µg/L	—	15.0	Y	J	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.28	—	—	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.4	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.38	1.49	—	2.96*[j]	pCi/L	5.32	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	25.8	—	250	3.11	mg/L	—	0.335	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	50	2.72*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.375	1.58	—	2.68*[j]	pCi/L	6.05	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[j]	mg/L	—	0.00167	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.114	—	1.6	0.234	mg/L	—	0.033	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.75	1.04	15	3.85*[j]	pCi/L	2.75	—	Y	—	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.3	1.28	—	9.18*[j]	pCi/L	2.86	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.1	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	54.1*[j]	µg/L	—	30.0	Y	U	UJ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[j]	µg/L	—	0.5	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.38	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	8.39*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[j]	µg/L	—	0.067	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[j]	µg/L	—	0.067	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	11.5	—	1000	2.9	µg/L	—	0.2	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.41	2.32	—	5.84*[j]	pCi/L	9.12	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.755	—	200	3.65	µg/L	—	0.6	Y	J	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.54	—	10	0.459	mg/L	—	0.085	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.74	—	13.8	0.27	µg/L	—	0.05	Y	—	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00218	0.0095	—	0.00732*[j]	pCi/L	0.0382	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00218	0.00949	—	0.0132*[j]	pCi/L	0.0412	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.5	—	—	2.35	mg/L	—	0.05	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.0	29.1	—	38.6*[j]	pCi/L	71.6	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.8	—	—	18.2	mg/L	—	0.1	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.8	1.69	—	2.02*[j]	pCi/L	6.22	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	267.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	161.0	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.136	0.106	8	0.282*[i]	pCi/L	0.479	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	—	600	7.1	mg/L	—	0.133	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[i]	µg/L	—	0.6	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[i]	µg/L	—	2.5	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216.0	—	1000	152	mg/L	—	3.4	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.043	—	—	0.173*[i]	mg/L	—	0.033	Y	J	J-	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.686	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0766	—	—	0.178*[i]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	603.0	75.6	20000	2.02*[i]	pCi/L	182.0	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.6	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.669	0.0577	27.2	0.477	pCi/L	0.0926	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0266	0.0151	28.8	0.0203*[i]	pCi/L	0.0694	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.574	0.0543	30	0.201	pCi/L	0.0621	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	1.0	—	63.1	9.29	µg/L	—	1.0	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	7.59	—	10000	17.4*[i]	µg/L	—	3.3	Y	J	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	—	62.0	SU	—	0.01	Y	H	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.3	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[i]	µg/L	—	68.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00684	0.00684	—	0.00829*[i]	pCi/L	0.0309	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0666	—	—	0.0606*[i]	mg/L	—	0.017	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Antimony	Sb	N	1.0	—	6	1*[i]	µg/L	—	1.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	Y	4.49	—	10	2.82*[i]	µg/L	—	2.0	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.2	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[i]	µg/L	—	1.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	750	16.2*[i]	µg/L	—	15.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	—	—	—	mg/L	—	0.067	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Cadmium	Cd	N	0.3	—	5	0.11*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.8	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.2	1.33	—	2.96*[i]	pCi/L	4.78	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.7	—	250	3.11	mg/L	—	0.335	Y	—	J+	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	N	3.0	—	50	2.72*[i]	µg/L	—	3.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0393	1.37	—	2.68*[i]	pCi/L	5.3	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[i]	µg/L	—	3.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[i]	mg/L	—	0.00167	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.254	—	1.6	0.234	mg/L	—	0.033	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0734	0.532	15	3.85*[i]	pCi/L	2.3	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.99	0.771	—	9.18*[i]	pCi/L	2.13	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.5	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	54.1*[i]	µg/L	—	30.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Lead	Pb	N	0.5	—	15	0.5*[i]	µg/L	—	0.5	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.8	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.57	—	200	8.39*[i]	µg/L	—	2.0	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[i]	µg/L	—	0.067	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[i]	µg/L	—	0.067	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	1.21	—	1000	2.9	µg/L	—	0.2	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.39	2.49	—	5.84*[i]	pCi/L	8.56	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	Y	4.34	—	200	3.65	µg/L	—	0.6	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	10	0.459	mg/L	—	0.017	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.639	—	13.8	0.27	µg/L	—	0.05	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0179	0.0148	—	0.00732*[i]	pCi/L	0.0627	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00000000119	0.00877	—	0.0132*[i]	pCi/L	0.0677	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.25	—	—	2.35	mg/L	—	0.05	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.8	16.3	—	38.6*[i]	pCi/L	52.2	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Selenium	Se	N	2.0	—	50	1.5*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.9	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Silver	Ag	N	0.3	—	50	0.2*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	—	18.2	mg/L	—	0.1	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.227	1.07	—	2.02*[j]	pCi/L	4.2	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.5	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.154	0.126	8	0.282*[j]	pCi/L	0.491	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	600	7.1	mg/L	—	0.665	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Thallium	Tl	N	0.6	—	2	0.45*[j]	µg/L	—	0.6	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[j]	µg/L	—	2.5	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130.0	—	1000	152	mg/L	—	3.4	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0682	—	—	0.173*[j]	mg/L	—	0.033	Y	J	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.802	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0968	—	—	0.178*[j]	mg/L	—	0.02	Y	—	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	362.0	60.5	20000	2.02*[j]	pCi/L	160.0	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	0.621	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.199	0.0265	27.2	0.477	pCi/L	0.0623	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.0106	28.8	0.0203*[j]	pCi/L	0.0461	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.191	0.0265	30	0.201	pCi/L	0.0414	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.67	—	63.1	9.29	µg/L	—	1.0	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.86	—	10000	17.4*[j]	µg/L	—	3.3	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.315	—	535.0	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.319	—	535.0	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.315	—	—	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.319	—	—	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	4.65	—	14100	—	µg/L	—	1.5	Y	J	J	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	7.91	—	14100	—	µg/L	—	1.5	Y	J	J	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	62.0	SU	—	0.01	Y	H	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	62.0	SU	—	0.01	Y	H	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[j]	µg/L	—	68.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[j]	µg/L	—	68.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00176	0.00727	—	0.00829*[j]	pCi/L	0.0239	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00177	0.00731	—	0.00829*[j]	pCi/L	0.024	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0299	—	—	0.0606*[j]	mg/L	—	0.017	Y	J	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0865	—	—	0.0606*[j]	mg/L	—	0.017	Y	—	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.41	—	130	—	µg/L	—	4.41	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.46	—	130	—	µg/L	—	4.46	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.315	—	1720.0	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.319	—	1720.0	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.6	—	10	2.82*[j]	µg/L	—	2.0	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.48	—	10	2.82*[j]	µg/L	—	2.0	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.15	—	3	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.19	—	3	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.15	—	1.2	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.19	—	1.2	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.0	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.6	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.09	—	0.00109	—	µg/L	—	4.09	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.15	—	0.00109	—	µg/L	—	4.15	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.315	—	0.12	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.319	—	0.12	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.315	—	0.2	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.319	—	0.2	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.315	—	0.343	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.319	—	0.343	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.315	—	—	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.319	—	—	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.315	—	3.43	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.319	—	3.43	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.29	—	75000	—	µg/L	—	6.29	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.38	—	75000	—	µg/L	—	6.38	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.15	—	2000	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.19	—	2000	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[i]	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[i]	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.15	—	59	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.19	—	59	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.15	—	0.137	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.19	—	0.137	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.315	—	6	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.319	—	6	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	30.8	—	750	16.2*[i]	µg/L	—	15.0	Y	J	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	N	29.4	—	750	16.2*[i]	µg/L	—	15.0	Y	J	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	UJ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	UJ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.15	—	—	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.19	—	—	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.315	—	160	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.319	—	160	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.251	1.15	—	2.96*[j]	pCi/L	4.09	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.94	1.48	—	2.96*[j]	pCi/L	5.16	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	12.8	—	250	3.11	mg/L	—	0.134	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	12.7	—	250	3.11	mg/L	—	0.134	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.15	—	1400	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.19	—	1400	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.46	—	3.7	—	µg/L	—	3.46	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.51	—	3.7	—	µg/L	—	3.51	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.43	—	733	—	µg/L	—	0.43	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.436	—	733	—	µg/L	—	0.436	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.15	—	91	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.19	—	91	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.15	—	—	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.19	—	—	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	50	2.72*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	50	2.72*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.315	—	34.3	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.319	—	34.3	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.287	1.22	—	2.68*[j]	pCi/L	4.33	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	1.18	—	2.68*[j]	pCi/L	4.25	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	7.89	—	1000	3*[j]	µg/L	—	3.0	Y	J	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	N	7.07	—	1000	3*[j]	µg/L	—	3.0	Y	J	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[j]	mg/L	—	0.00167	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[j]	mg/L	—	0.00167	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.315	—	0.0343	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.319	—	0.0343	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.15	—	7.9	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.19	—	7.9	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.15	—	600	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.19	—	600	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.15	—	—	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.19	—	—	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.15	—	75	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.19	—	75	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.15	—	1.25	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.19	—	1.25	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.15	—	45.3	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.19	—	45.3	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.315	—	14800	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.319	—	14800	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.315	—	612	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.319	—	612	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.15	—	354	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.19	—	354	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.315	—	885	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.319	—	885	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.15	—	1.52	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.19	—	1.52	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.24	—	38.7	—	µg/L	—	5.24	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.32	—	38.7	—	µg/L	—	5.32	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.15	—	2.37	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.19	—	2.37	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.15	—	0.485	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.19	—	0.485	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.315	—	200	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.319	—	200	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.15	—	7	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.19	—	7	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.15	—	4.59	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.19	—	4.59	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.15	—	122	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.19	—	122	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.315	—	802	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.319	—	802	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.315	—	288	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.319	—	288	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.04	—	1.6	0.234	mg/L	—	0.033	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.04	—	1.6	0.234	mg/L	—	0.033	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.102	0.67	15	3.85*[i]	pCi/L	2.85	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.927	0.465	15	3.85*[i]	pCi/L	2.84	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.134	0.746	—	9.18*[i]	pCi/L	2.68	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.31	0.925	—	9.18*[i]	pCi/L	2.92	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.8	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.7	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.15	—	1	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.19	—	1	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.15	—	1.39	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.19	—	1.39	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.15	—	50	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.19	—	50	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.15	—	3.28	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.19	—	3.28	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.315	—	0.343	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.319	—	0.343	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	54.1*[i]	µg/L	—	30.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	54.1*[i]	µg/L	—	30.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.67	—	781	—	µg/L	—	3.67	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.72	—	781	—	µg/L	—	3.72	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[i]	µg/L	—	0.5	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[i]	µg/L	—	0.5	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.49	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.46	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	8.39*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	8.39*[j]	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[j]	µg/L	—	0.067	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[j]	µg/L	—	0.067	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[j]	µg/L	—	0.067	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[j]	µg/L	—	0.067	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.315	—	11.4	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.319	—	11.4	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.315	—	35.1	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.319	—	35.1	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.15	—	930	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.19	—	930	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.88	—	930	—	µg/L	—	3.88	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.93	—	930	—	µg/L	—	3.93	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.8	—	1000	2.9	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	1000	2.9	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.315	—	1.65	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.319	—	1.65	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.81	1.9	—	5.84*[j]	pCi/L	7.53	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.986	2.14	—	5.84*[j]	pCi/L	7.66	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.618	—	200	3.65	µg/L	—	0.6	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	3.65	µg/L	—	0.6	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.35	—	10	0.459	mg/L	—	0.17	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.41	—	10	0.459	mg/L	—	0.17	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.15	—	190	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.19	—	190	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.15	—	—	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.19	—	—	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.15	—	38	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.19	—	38	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.15	—	1.4	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.19	—	1.4	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.15	—	—	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.19	—	—	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.15	—	—	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.19	—	—	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.15	—	0.00167	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.19	—	0.00167	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.15	—	0.00491	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.19	—	0.00491	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.15	—	0.0273	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.19	—	0.0273	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.15	—	0.11	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.19	—	0.11	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.15	—	0.37	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.19	—	0.37	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.15	—	9.81	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.19	—	9.81	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.15	—	3.07	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.19	—	3.07	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.15	—	1	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.19	—	1	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.12	—	13.8	0.27	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.22	—	13.8	0.27	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.315	—	170	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.319	—	170	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.15	—	5	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.19	—	5	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0146	0.00845	—	0.00732*[i]	pCi/L	0.0427	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0152	0.0091	—	0.00732*[i]	pCi/L	0.0531	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00244	0.00879	—	0.0132*[i]	pCi/L	0.0461	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0152	0.00909	—	0.0132*[i]	pCi/L	0.0573	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.569	—	—	2.35	mg/L	—	0.05	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.537	—	—	2.35	mg/L	—	0.05	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.65	17.2	—	38.6*[i]	pCi/L	41.2	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-1.67	13.9	—	38.6*[i]	pCi/L	57.8	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.315	—	117	—	µg/L	—	0.315	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.319	—	117	—	µg/L	—	0.319	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.15	—	20	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.19	—	20	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.2	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.3	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.4	—	—	18.2	mg/L	—	0.1	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.5	—	—	18.2	mg/L	—	0.1	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.6	1.0	—	2.02*[i]	pCi/L	2.61	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.118	0.949	—	2.02*[i]	pCi/L	4.0	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1360.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.9	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.0	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.312	0.148	8	0.282*[i]	pCi/L	0.473	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.121	0.136	8	0.282*[i]	pCi/L	0.475	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.93	—	600	7.1	mg/L	—	0.133	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.96	—	600	7.1	mg/L	—	0.133	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.15	—	1.66	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.19	—	1.66	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.15	—	240	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.19	—	240	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[j]	µg/L	—	0.6	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[j]	µg/L	—	0.6	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[j]	µg/L	—	2.5	Y	U	U	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	2.66	—	12000	13*[j]	µg/L	—	2.5	Y	J	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167.0	—	1000	152	mg/L	—	3.4	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150.0	—	1000	152	mg/L	—	3.4	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.115	—	—	0.173*[j]	mg/L	—	0.033	Y	—	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.107	—	—	0.173*[j]	mg/L	—	0.033	Y	—	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.408	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.431	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.1	—	—	0.178*[j]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0947	—	—	0.178*[j]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.15	—	70	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.19	—	70	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.15	—	1170	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.19	—	1170	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.15	—	11.9	—	µg/L	—	3.15	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.19	—	11.9	—	µg/L	—	3.19	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1140.0	84.0	20000	2.02*[j]	pCi/L	154.0	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	1100.0	84.2	20000	2.02*[j]	pCi/L	159.0	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.292	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.286	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.228	0.039	27.2	0.477	pCi/L	0.108	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.27	0.0417	27.2	0.477	pCi/L	0.103	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0139	0.0104	28.8	0.0203*[j]	pCi/L	0.0809	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0163	0.0139	28.8	0.0203*[j]	pCi/L	0.0768	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.1	0.0263	30	0.201	pCi/L	0.0723	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.114	0.0265	30	0.201	pCi/L	0.0687	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.57	—	63.1	9.29	µg/L	—	1.0	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.29	—	63.1	9.29	µg/L	—	1.0	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.3	—	10000	17.4*[j]	µg/L	—	3.3	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.57	—	10000	17.4*[j]	µg/L	—	3.3	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	535.0	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.73	—	14100	—	µg/L	—	1.5	Y	J	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.16	—	—	62.0	SU	—	0.01	Y	H	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106.0	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[j]	µg/L	—	68.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0108	0.0213	—	0.00829*[j]	pCi/L	0.047	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0396	—	—	0.0606*[j]	mg/L	—	0.017	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	130	—	µg/L	—	4.2	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	1720.0	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Antimony	Sb	N	1.0	—	6	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	Y	5.92	—	10	2.82*[j]	µg/L	—	2.0	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	3	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	1.2	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45.6	—	2000	13.5	µg/L	—	1.0	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	0.00109	—	µg/L	—	3.9	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	0.12	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	3.43	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	75000	—	µg/L	—	6.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	2000	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[j]	µg/L	—	1.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	—	59	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	0.137	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	6	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.1	—	750	16.2*[j]	µg/L	—	15.0	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.33	—	—	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	—	160	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Cadmium	Cd	N	0.3	—	5	0.11*[j]	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	42.8	—	—	10.7	mg/L	—	0.05	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.206	1.05	—	2.96*[j]	pCi/L	3.96	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.2	—	250	3.11	mg/L	—	0.67	Y	—	J+	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	—	1400	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	3.7	—	µg/L	—	3.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	733	—	µg/L	—	0.41	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	91	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	Y	3.82	—	50	2.72*[j]	µg/L	—	3.0	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	34.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.26	1.04	—	2.68*[j]	pCi/L	3.59	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[j]	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[j]	mg/L	—	0.00167	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	0.0343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	7.9	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	600	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	75	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	1.25	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	45.3	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	—	14800	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	—	612	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	354	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	—	885	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	1.52	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	38.7	—	µg/L	—	5.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	2.37	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	0.485	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	7	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	4.59	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	122	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	802	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	288	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	—	1.6	0.234	mg/L	—	0.033	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.72	0.989	15	3.85*[i]	pCi/L	2.99	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.42	1.0	—	9.18*[i]	pCi/L	2.71	—	Y	—	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	144.0	—	—	37.8	mg/L	—	0.453	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	1.39	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	50	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	3.28	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	54.1*[i]	µg/L	—	30.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	781	—	µg/L	—	3.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Lead	Pb	N	0.5	—	15	0.5*[i]	µg/L	—	0.5	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	9.0	—	—	3.14	mg/L	—	0.11	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	8.39*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[i]	µg/L	—	0.067	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[i]	µg/L	—	0.067	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	11.4	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	35.1	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	930	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	—	930	—	µg/L	—	3.7	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	165.0	—	1000	2.9	µg/L	—	0.2	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.19	2.26	—	5.84*i	pCi/L	8.76	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	Y	3.85	—	200	3.65	µg/L	—	0.6	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.22	—	10	0.459	mg/L	—	0.017	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	190	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	38	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	—	1.4	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	0.00167	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	0.00491	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	0.0273	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	—	0.11	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	0.37	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	9.81	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	3.07	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.652	—	13.8	0.27	µg/L	—	0.05	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	170	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	5	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00454	0.00964	—	0.00732*[i]	pCi/L	0.0398	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0114	0.00819	—	0.0132*[i]	pCi/L	0.0429	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.93	—	—	2.35	mg/L	—	0.05	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.11	16.8	—	38.6*[i]	pCi/L	67.2	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	117	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	20	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Selenium	Se	N	2.0	—	50	1.5*[i]	µg/L	—	2.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.5	—	—	75.0	mg/L	—	0.053	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Silver	Ag	N	0.3	—	50	0.2*[i]	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.0	—	—	18.2	mg/L	—	0.1	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.06	1.21	—	2.02*[i]	pCi/L	5.08	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	400.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	238.0	—	11800	59.6	µg/L	—	1.0	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.125	8	0.282*[i]	pCi/L	0.482	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	31.7	—	600	7.1	mg/L	—	1.33	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	1.66	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	—	240	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Thallium	Tl	N	0.6	—	2	0.45*[i]	µg/L	—	0.6	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[i]	µg/L	—	2.5	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	274.0	—	1000	152	mg/L	—	3.4	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.131	—	—	0.173*[i]	mg/L	—	0.033	Y	—	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.992	—	—	1.35	mg/L	—	0.33	Y	J	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0914	—	—	0.178*[i]	mg/L	—	0.02	Y	—	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	70	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	1170	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	11.9	—	µg/L	—	3.0	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	96.3	14.579	20000	2.06*[f]	pCi/L	2.991	—	Y	—	NQ	N3B-2019-3350	CALA-19-185302	ARSL
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	1.76	—	30	0.992	µg/L	—	0.067	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.982	0.0714	27.2	0.477	pCi/L	0.0951	—	Y	—	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0425	0.0175	28.8	0.0203*[i]	pCi/L	0.0713	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.496	0.0504	30	0.201	pCi/L	0.0638	—	Y	—	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	1.0	—	63.1	9.29	µg/L	—	1.0	Y	U	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.68	—	10000	17.4*[i]	µg/L	—	3.3	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	1.51	—	14100	—	µg/L	—	1.5	Y	J	J	N3B-2019-3247	CALA-19-185305	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	72.9	SU	—	0.01	Y	H	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.6	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[f]	µg/L	—	68.0	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.015	0.0103	—	0.0167*[f]	pCi/L	0.0254	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0328	—	—	0.1*[f]	mg/L	—	0.017	Y	J	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.76	—	10	2.7*[f]	µg/L	—	2.0	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.4	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	41.4	—	750	18.7*[f]	µg/L	—	15.0	Y	J	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	UJ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.3	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.868	1.16	—	2.93*[f]	pCi/L	4.62	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	250	2.70	mg/L	—	0.067	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.91	1.01	—	2.65*[f]	pCi/L	5.1	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	9.88	—	1000	3*[f]	µg/L	—	3.0	Y	J	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[f]	mg/L	—	0.00167	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.46	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.53	0.785	15	2.012*[f]	pCi/L	2.96	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.477	0.815	—	3.81*[f]	pCi/L	2.82	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	54.8	—	1000	53.8*[f]	µg/L	—	30.0	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[f]	µg/L	—	0.5	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.92	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	15.1*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.66	—	1000	2.5	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.73	2.01	—	4.72*[f]	pCi/L	8.35	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	2.9	µg/L	—	0.6	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.256	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.299	—	13.8	0.414	µg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00908	0.00786	—	0.00994*[f]	pCi/L	0.0397	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0159	0.0104	—	0.0171*[f]	pCi/L	0.0429	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.18	—	—	2.39	mg/L	—	0.05	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.54	17.4	—	35.6*[f]	pCi/L	71.1	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.2	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.75	—	—	16.0	mg/L	—	0.1	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.413	1.16	—	1.93*[f]	pCi/L	4.54	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	117.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.0	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.142	0.119	8	0.355*[f]	pCi/L	0.493	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.15	—	600	4.59	mg/L	—	0.133	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[f]	µg/L	—	0.6	Y	U	U	N3B-2019-3247	CALA-19-185306	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	3.43	—	12000	13*[f]	µg/L	—	2.5	Y	J	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181.0	—	1000	161	mg/L	—	3.4	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0978	—	—	0.165*[f]	mg/L	—	0.033	Y	J	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.347	—	—	1.08	mg/L	—	0.33	Y	J	J	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0789	—	—	0.0822*[f]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.834	0.939	20000	2.06*[f]	pCi/L	2.932	—	Y	U	U	N3B-2019-3262	CALA-19-185305	ARSL
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.307	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.176	0.0318	27.2	0.715	pCi/L	0.0852	—	Y	—	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0000544	0.00905	28.8	0.0423*[f]	pCi/L	0.0638	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0858	0.0204	30	0.336	pCi/L	0.0571	—	Y	—	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.43	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.6	—	10000	14.4*[f]	µg/L	—	3.3	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	535.0	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	5.04	—	14100	—	µg/L	—	1.5	Y	J	J	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	—	72.9	SU	—	0.01	Y	H	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.78	—	—	—	mg/L	—	1.45	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[f]	µg/L	—	68.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0202	0.00856	—	0.0167*[f]	pCi/L	0.0273	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0574	—	—	0.1*[f]	mg/L	—	0.017	Y	—	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	130	—	µg/L	—	4.2	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	1720.0	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.16	—	10	2.7*[f]	µg/L	—	2.0	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	3	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	1.2	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.4	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	0.00109	—	µg/L	—	3.9	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	0.12	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	3.43	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	75000	—	µg/L	—	6.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	2000	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	—	59	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	0.137	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	6	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	750	18.7*[f]	µg/L	—	15.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	—	160	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.58	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.73	1.37	—	2.93*[f]	pCi/L	4.84	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.31	—	250	2.70	mg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	—	1400	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	3.7	—	µg/L	—	3.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	733	—	µg/L	—	0.41	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	91	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	50	7.48	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	34.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.307	1.37	—	2.65*[f]	pCi/L	5.0	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[f]	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[f]	mg/L	—	0.00167	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	0.0343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	7.9	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	600	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	75	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	1.25	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	45.3	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	—	14800	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	—	612	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	354	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	—	885	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	1.52	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	38.7	—	µg/L	—	5.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	2.37	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	0.485	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	7	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	4.59	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	122	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	802	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	288	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.391	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.94	0.933	15	2.012*[f]	pCi/L	2.84	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.82	0.797	—	3.81*[f]	pCi/L	2.56	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.2	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	1.39	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	50	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	3.28	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8*[f]	µg/L	—	30.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	781	—	µg/L	—	3.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[f]	µg/L	—	0.5	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.75	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	15.1*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	11.4	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	35.1	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	930	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	—	930	—	µg/L	—	3.7	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.497	—	1000	2.5	µg/L	—	0.2	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.02	1.9	—	4.72*[r]	pCi/L	7.47	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	2.9	µg/L	—	0.6	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.143	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	190	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	38	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	—	1.4	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	0.00167	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	0.00491	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	0.0273	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	—	0.11	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	0.37	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	9.81	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	3.07	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	13.8	0.414	µg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	170	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	5	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00000000269	0.00922	—	0.00994*[r]	pCi/L	0.0404	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00461	0.0108	—	0.0171*[r]	pCi/L	0.0435	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.07	—	—	2.39	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.0	13.6	—	35.6*[r]	pCi/L	52.4	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	117	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	20	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[r]	µg/L	—	2.0	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.1	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[r]	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	—	—	16.0	mg/L	—	0.1	Y	N	J-	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.06	1.17	—	1.93*[r]	pCi/L	2.8	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	103.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.3	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.168	0.128	8	0.355*[r]	pCi/L	0.434	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.58	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	1.66	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	—	240	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[r]	µg/L	—	0.6	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[r]	µg/L	—	2.5	Y	U	U	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	1000	161	mg/L	—	3.4	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.229	—	—	0.165*[r]	mg/L	—	0.033	Y	—	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.382	—	—	1.08	mg/L	—	0.33	Y	J	J	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0961	—	—	0.0822*[r]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	70	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	1170	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	11.9	—	µg/L	—	3.0	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.784	0.945	20000	2.06*[f]	pCi/L	2.963	—	Y	U	U	N3B-2019-3262	CALA-19-185308	ARSL
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.59	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.487	0.047	27.2	0.715	pCi/L	0.0838	—	Y	—	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00795	0.012	28.8	0.0423*[f]	pCi/L	0.0628	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.169	0.0295	30	0.336	pCi/L	0.0562	—	Y	—	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.3	—	63.1	11.4	µg/L	—	1.0	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	5.97	—	10000	14.4*[f]	µg/L	—	3.3	Y	J	U	N3B-2019-3231	CALA-19-185309	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	535.0	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.326	—	535.0	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.326	—	—	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	14100	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	14100	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	72.9	SU	—	0.01	Y	H	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	72.9	SU	—	0.01	Y	H	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.8	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	—	—	62.0	mg/L	—	1.45	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[f]	µg/L	—	68.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[f]	µg/L	—	68.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00851	0.00998	—	0.0167*[f]	pCi/L	0.0288	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.002	0.00957	—	0.0167*[f]	pCi/L	0.027	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0896	—	—	0.1*[f]	mg/L	—	0.017	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0255	—	—	0.1*[f]	mg/L	—	0.017	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	130	—	µg/L	—	4.2	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.56	—	130	—	µg/L	—	4.56	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	1720.0	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.326	—	1720.0	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	6	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.67	—	10	2.7*[f]	µg/L	—	2.0	Y	J	J	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.84	—	10	2.7*[f]	µg/L	—	2.0	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	3	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.26	—	3	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	1.2	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.26	—	1.2	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.8	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.5	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	0.00109	—	µg/L	—	3.9	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.23	—	0.00109	—	µg/L	—	4.23	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	0.12	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.326	—	0.12	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.326	—	0.2	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.326	—	0.343	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.326	—	—	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	3.43	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.326	—	3.43	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	75000	—	µg/L	—	6.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.51	—	75000	—	µg/L	—	6.51	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	2000	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.26	—	2000	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	—	59	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.26	—	59	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	0.137	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.26	—	0.137	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	6	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.326	—	6	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.7	—	750	18.7*[f]	µg/L	—	15.0	Y	J	J	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	37.6	—	750	18.7*[f]	µg/L	—	15.0	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.26	—	—	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	—	160	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.326	—	160	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	5	0.11*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.6	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.59	1.29	—	2.93*[f]	pCi/L	5.15	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.06	1.34	—	2.93*[f]	pCi/L	5.05	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.65	—	250	2.70	mg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.6	—	250	2.70	mg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	—	1400	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.26	—	1400	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	3.7	—	µg/L	—	3.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.58	—	3.7	—	µg/L	—	3.58	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	733	—	µg/L	—	0.41	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.445	—	733	—	µg/L	—	0.445	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	91	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.26	—	91	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.26	—	—	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.54	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.52	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	34.3	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.326	—	34.3	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.311	1.13	—	2.65*[f]	pCi/L	4.7	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.602	1.65	—	2.65*[f]	pCi/L	6.74	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[f]	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[f]	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[f]	mg/L	—	0.00167	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[f]	mg/L	—	0.00167	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	0.0343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.326	—	0.0343	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	7.9	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.26	—	7.9	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	600	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.26	—	600	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.26	—	—	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	75	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.26	—	75	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	1.25	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.26	—	1.25	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	45.3	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.26	—	45.3	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	—	14800	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.326	—	14800	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	—	612	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.326	—	612	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	354	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.26	—	354	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	—	885	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.326	—	885	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	1.52	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.26	—	1.52	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	38.7	—	µg/L	—	5.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.43	—	38.7	—	µg/L	—	5.43	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	2.37	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.26	—	2.37	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	0.485	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.26	—	0.485	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.326	—	200	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	7	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.26	—	7	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	4.59	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.26	—	4.59	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	122	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.26	—	122	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	802	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.326	—	802	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	288	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.326	—	288	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.532	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.531	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.702	0.78	15	2.012*[f]	pCi/L	2.93	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.62	0.895	15	2.012*[f]	pCi/L	2.87	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.74	0.82	—	3.81*[f]	pCi/L	2.49	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.1	0.875	—	3.81*[f]	pCi/L	2.92	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.7	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.9	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.26	—	1	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	1.39	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.26	—	1.39	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	50	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.26	—	50	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	3.28	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.26	—	3.28	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.326	—	0.343	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8*[f]	µg/L	—	30.0	Y	U	UJ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8*[f]	µg/L	—	30.0	Y	U	UJ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	781	—	µg/L	—	3.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.8	—	781	—	µg/L	—	3.8	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[f]	µg/L	—	0.5	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	15	0.5*[f]	µg/L	—	0.5	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.95	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.83	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	15.1*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	15.1*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	UN	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	UN	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	2	0.067*[f]	µg/L	—	0.067	Y	UN	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	N	0.096	—	2	0.067*[f]	µg/L	—	0.067	Y	JN	U	N3B-2019-3284	CALA-19-185313	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	11.4	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.326	—	11.4	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	35.1	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.326	—	35.1	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	930	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.26	—	930	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	—	930	—	µg/L	—	3.7	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	4.02	—	930	—	µg/L	—	4.02	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.59	—	1000	2.5	µg/L	—	0.2	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	1000	2.5	µg/L	—	0.2	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.326	—	1.65	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.97	2.27	—	4.72*[f]	pCi/L	8.73	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.01	2.07	—	4.72*[f]	pCi/L	8.3	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	2.9	µg/L	—	0.6	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	200	2.9	µg/L	—	0.6	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.651	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.651	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	190	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.26	—	190	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.26	—	—	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	38	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.26	—	38	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	—	1.4	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.26	—	1.4	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.26	—	—	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.26	—	—	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	0.00167	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.26	—	0.00167	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	0.00491	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.26	—	0.00491	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	0.0273	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.26	—	0.0273	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	—	0.11	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.26	—	0.11	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	0.37	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.26	—	0.37	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	9.81	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.26	—	9.81	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	3.07	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.26	—	3.07	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.26	—	1	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.5	—	13.8	0.414	µg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.511	—	13.8	0.414	µg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	170	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.326	—	170	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	5	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.26	—	5	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0	0.00676	—	0.00994*[f]	pCi/L	0.0418	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00259	0.0107	—	0.00994*[f]	pCi/L	0.0453	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00239	0.00716	—	0.0171*[f]	pCi/L	0.0451	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0207	0.0103	—	0.0171*[f]	pCi/L	0.0489	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.19	—	—	2.39	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.14	—	—	2.39	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.13	21.0	—	35.6*[f]	pCi/L	41.4	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-21.9	21.4	—	35.6*[f]	pCi/L	78.9	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	117	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.326	—	117	—	µg/L	—	0.326	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	20	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.26	—	20	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	50	1.5*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.3	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.1	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	50	0.2*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	—	16.0	mg/L	—	0.1	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	16.0	mg/L	—	0.1	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.294	1.09	—	1.93*[f]	pCi/L	4.29	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.59	1.35	—	1.93*[f]	pCi/L	5.25	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73.9	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.8	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.133	0.122	8	0.355*[f]	pCi/L	0.422	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.236	0.122	8	0.355*[f]	pCi/L	0.487	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	1.66	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.26	—	1.66	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	—	240	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.26	—	240	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[f]	µg/L	—	0.6	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	2	0.45*[f]	µg/L	—	0.6	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[f]	µg/L	—	2.5	Y	U	U	N3B-2019-3284	CALA-19-185311	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[f]	µg/L	—	2.5	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169.0	—	1000	161	mg/L	—	3.4	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217.0	—	1000	161	mg/L	—	3.4	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.165*[f]	mg/L	—	0.033	Y	U	UJ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.165*[f]	mg/L	—	0.033	Y	U	UJ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	1.08	mg/L	—	0.33	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	1.08	mg/L	—	0.33	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0814	—	—	0.0822*[f]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0811	—	—	0.0822*[f]	mg/L	—	0.02	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	70	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.26	—	70	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	1170	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.26	—	1170	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	11.9	—	µg/L	—	3.0	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.26	—	11.9	—	µg/L	—	3.26	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.102	0.851	20000	2.06*[f]	pCi/L	2.762	—	Y	U	U	N3B-2019-3350	CALA-19-185310	ARSL
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.575	0.953	20000	2.06*[f]	pCi/L	3.034	—	Y	U	U	N3B-2019-3350	CALA-19-185312	ARSL
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.587	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.591	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.428	0.0489	27.2	0.715	pCi/L	0.0987	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.437	0.0523	27.2	0.715	pCi/L	0.111	—	Y	—	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0126	0.0114	28.8	0.0423*[f]	pCi/L	0.074	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0281	0.0203	28.8	0.0423*[f]	pCi/L	0.0828	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0318	30	0.336	pCi/L	0.0662	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.243	0.0387	30	0.336	pCi/L	0.0741	—	Y	—	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.8	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.6	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	6.09	—	10000	14.4*[i]	µg/L	—	3.3	Y	J	U	N3B-2019-3284	CALA-19-185311	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	N	6.9	—	10000	14.4*[f]	µg/L	—	3.3	Y	J	U	N3B-2019-3284	CALA-19-185313	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	72.9	SU	—	0.01	Y	H	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115.0	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68*[f]	µg/L	—	68.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.009	0.0124	—	0.0167*[f]	pCi/L	0.0406	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0175	—	—	0.1*[f]	mg/L	—	0.017	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Antimony	Sb	N	1.0	—	6	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	Y	4.63	—	10	2.7*[f]	µg/L	—	2.0	Y	J	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	172.0	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1*[f]	µg/L	—	1.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	44.2	—	750	18.7*[f]	µg/L	—	15.0	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	—	mg/L	—	0.067	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Cadmium	Cd	N	0.3	—	5	0.11*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.3	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0358	1.14	—	2.93*[f]	pCi/L	4.47	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.1	—	250	2.70	mg/L	—	0.067	Y	—	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	Y	3.69	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	50	—	µg/L	—	1.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.94	1.48	—	2.65*[f]	pCi/L	6.46	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3*[f]	µg/L	—	3.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017*[f]	mg/L	—	0.00167	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.69	0.786	15	2.012*[f]	pCi/L	2.92	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.98	0.709	—	3.81*[f]	pCi/L	2.13	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.0	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8*[f]	µg/L	—	30.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Lead	Pb	N	0.5	—	15	0.5*[f]	µg/L	—	0.5	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.26	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	200	15.1*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.092	—	2	0.067*[f]	µg/L	—	0.067	Y	J	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.082	—	2	0.067*[f]	µg/L	—	0.067	Y	J	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	1.29	—	1000	2.5	µg/L	—	0.2	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.64	2.52	—	4.72*[f]	pCi/L	8.46	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	N	0.6	—	200	2.9	µg/L	—	0.6	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.659	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.669	—	13.8	0.414	µg/L	—	0.05	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.007	0.0107	—	0.00994*[f]	pCi/L	0.0409	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.035	0.0134	—	0.0171*[f]	pCi/L	0.0441	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.98	—	—	2.39	mg/L	—	0.05	Y	—	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.6	18.5	—	35.6*[f]	pCi/L	74.0	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Selenium	Se	N	2.0	—	50	1.5*[f]	µg/L	—	2.0	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.9	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Silver	Ag	N	0.3	—	50	0.2*[f]	µg/L	—	0.3	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.2	—	—	16.0	mg/L	—	0.1	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.995	1.51	—	1.93*[f]	pCi/L	6.16	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226.0	—	—	—	uS/cm	—	1.0	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191.0	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.101	0.133	8	0.355*[f]	pCi/L	0.489	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.75	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Thallium	Tl	N	0.6	—	2	0.45*[f]	µg/L	—	0.6	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13*[f]	µg/L	—	2.5	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197.0	—	1000	161	mg/L	—	3.4	Y	—	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.103	—	—	0.165*[f]	mg/L	—	0.033	Y	—	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	1.08	mg/L	—	0.33	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0887	—	—	0.0822*[f]	mg/L	—	0.02	Y	—	U	N3B-2019-3296	CALA-19-185317	GELC

Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Screening Value	Background	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.156	1.016	20000	2.06[*f]	pCi/L	2.858	—	Y	—	NQ	N3B-2019-3350	CALA-19-185316	ARSL
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	1.67	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.19	0.0718	27.2	0.715	pCi/L	0.0819	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0444	0.0169	28.8	0.0423*[f]	pCi/L	0.0613	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.609	0.0512	30	0.336	pCi/L	0.0549	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.7	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	10000	14.4*[i]	µg/L	—	3.3	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	SU	—	0.01	Y	H	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.34	—	SU	—	0.01	Y	H	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	SU	—	0.01	Y	H	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.36	—	SU	—	0.01	Y	H	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.24	—	SU	—	0.01	Y	H	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	43.7	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.6	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	43.1	—	mg/L	—	1.45	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48.2	—	mg/L	—	1.45	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	45.4	—	mg/L	—	0.725	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0366	0.0188	pCi/L	0.0354	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0078	pCi/L	0.0551	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000306	0.0127	pCi/L	0.0645	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00000000519	0.0194	pCi/L	0.0852	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0023	0.00689	pCi/L	0.0369	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.18	—	µg/L	—	1	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	8.77	—	µg/L	—	1	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	8.61	—	µg/L	—	1	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	169	—	µg/L	—	1	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	11.2	—	µg/L	—	1	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.51	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.75	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.94	—	mg/L	—	0.05	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.5	—	mg/L	—	0.05	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.68	—	mg/L	—	0.05	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.22	1.17	pCi/L	4.53	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.6	0.976	pCi/L	3.66	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.346	1.53	pCi/L	4.99	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.314	0.827	pCi/L	3.13	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.194	1.78	pCi/L	6.36	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.26	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.19	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.16	—	mg/L	—	0.067	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.26	—	mg/L	—	0.067	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.39	—	mg/L	—	0.067	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.05	1.11	pCi/L	4.35	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.97	1.09	pCi/L	4.41	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.53	1.25	pCi/L	4.47	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.549	0.676	pCi/L	2.96	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.6	2.2	pCi/L	7.85	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.214	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0498	—	mg/L	—	0.033	Y	J	J	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0458	—	mg/L	—	0.033	Y	J	J	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0713	—	mg/L	—	0.033	Y	J	J	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.121	—	mg/L	—	0.033	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	14.7	2.47	pCi/L	2.77	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.7	1.21	pCi/L	3.08	—	Y	—	NQ	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	9.35	1.81	pCi/L	2.96	—	Y	—	NQ	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	11.9	0.883	pCi/L	1.89	—	Y	—	NQ	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.49	1.15	pCi/L	2.86	—	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	19.1	1.58	pCi/L	2.97	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.79	1.18	pCi/L	3.45	—	Y	—	J	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.32	1.18	pCi/L	2.46	—	Y	—	NQ	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.75	1.19	pCi/L	2.55	—	Y	—	NQ	2016-2199	CALA-16-124847	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.24	0.479	pCi/L	1.16	—	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.5	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.9	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	25.9	—	mg/L	—	0.453	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.8	—	mg/L	—	0.453	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	23.9	—	mg/L	—	0.453	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	48.9	—	µg/L	—	30	Y	J	J	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	—	µg/L	—	30	Y	U	U	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	—	µg/L	—	30	Y	U	U	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	µg/L	—	30	Y	U	U	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	134	—	µg/L	—	30	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.01	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.94	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.08	—	mg/L	—	0.11	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	—	mg/L	—	0.11	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.76	—	mg/L	—	0.11	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	µg/L	—	0.2	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.43	—	µg/L	—	0.165	Y	—	J	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.67	—	µg/L	—	0.165	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.54	1.97	pCi/L	7.53	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.112	1.88	pCi/L	6.75	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.8	2.69	pCi/L	10	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.28	1.81	pCi/L	5.58	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.338	3.9	pCi/L	13.5	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.46	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.452	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.681	—	mg/L	—	0.017	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.529	—	mg/L	—	0.017	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.534	—	mg/L	—	0.017	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.426	—	µg/L	—	0.05	Y	—	J	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.381	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.401	—	µg/L	—	0.05	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.307	—	µg/L	—	0.05	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	µg/L	—	0.05	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0278	0.0145	pCi/L	0.0443	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00000000273	0.00936	pCi/L	0.03	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0133	0.00992	pCi/L	0.0769	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00411	0.0207	pCi/L	0.0794	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00431	0.00681	pCi/L	0.0432	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00253	0.011	pCi/L	0.0478	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00468	0.00992	pCi/L	0.0474	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00887	0.0154	pCi/L	0.0997	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.000304	0.0204	pCi/L	0.1	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0258	0.011	pCi/L	0.0385	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.64	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.79	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.25	—	mg/L	—	0.05	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.69	—	mg/L	—	0.05	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8	—	mg/L	—	0.05	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.96	17.7	pCi/L	64.7	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	24.9	25.9	pCi/L	40.3	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.97	19.7	pCi/L	75	—	Y	U	U	2017-2882	CALA-17-143813	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.6	11	pCi/L	36.9	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.73	27.9	pCi/L	108	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.9	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.2	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.7	—	mg/L	—	0.053	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.2	—	mg/L	—	0.053	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	mg/L	—	0.053	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.03	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	7.97	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.74	—	mg/L	—	0.1	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.5	—	mg/L	—	0.1	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.84	—	mg/L	—	0.1	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.00346	0.945	pCi/L	3.78	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.652	1.03	pCi/L	3.67	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.29	1.49	pCi/L	4.32	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.322	0.687	pCi/L	2.66	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.584	1.96	pCi/L	6.53	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	95.7	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	97.6	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	114	—	uS/cm	—	1	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104	—	uS/cm	—	3.63	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	105	—	uS/cm	—	1	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	37.2	—	µg/L	—	1	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	36.4	—	µg/L	—	1	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	39.1	—	µg/L	—	1	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	183	—	µg/L	—	1	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	84.9	—	µg/L	—	1	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.11	0.129	pCi/L	0.483	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0764	0.102	pCi/L	0.358	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0482	0.0936	pCi/L	0.384	—	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0776	0.198	pCi/L	0.673	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.111	0.132	pCi/L	0.474	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.63	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.66	—	mg/L	—	0.133	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.64	—	mg/L	—	0.133	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.39	—	mg/L	—	0.133	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	deg C	—	—	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	deg C	—	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	109	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	mg/L	—	3.4	Y	—	NQ	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	98.6	—	mg/L	—	3.4	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	mg/L	—	3.4	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0944	—	mg/L	—	0.033	Y	J	J+	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0526	—	mg/L	—	0.033	Y	J	J	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	mg/L	—	0.033	Y	U	U	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	mg/L	—	0.033	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0365	—	mg/L	—	0.033	Y	J	J	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.353	—	mg/L	—	0.33	Y	J	J	N3B-2019-3260	CALA-19-185289	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	mg/L	—	0.33	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.356	—	mg/L	—	0.33	Y	J	J	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.338	—	mg/L	—	0.33	Y	J	J	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/02/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.364	—	mg/L	—	0.33	Y	J	J	2014-4465	CALA-14-86010	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0631	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0356	—	mg/L	—	0.02	Y	J	U	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.041	—	mg/L	—	0.02	Y	J	U	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	mg/L	—	0.02	Y	U	U	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0274	—	mg/L	—	0.017	Y	J	J	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.26	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.295	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3787	CALA-18-160738	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.171	—	µg/L	—	0.067	Y	J	J	2017-2882	CALA-17-143817	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.285	—	µg/L	—	0.067	Y	—	NQ	2016-2199	CALA-16-124863	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.458	—	µg/L	—	0.067	Y	—	NQ	2015-2337	CALA-15-103999	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.315	0.0441	pCi/L	0.107	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.473	0.0505	pCi/L	0.14	—	Y	—	NQ	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.612	0.0643	pCi/L	0.121	—	Y	—	NQ	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.65	0.0613	pCi/L	0.201	—	Y	—	NQ	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.0308	pCi/L	0.12	—	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0273	0.0178	pCi/L	0.0802	—	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0391	0.0175	pCi/L	0.134	—	Y	U	U	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.199	0.0431	pCi/L	0.129	—	Y	—	NQ	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.147	0.0328	pCi/L	0.193	—	Y	U	U	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0458	0.0136	pCi/L	0.0848	—	Y	U	U	2015-2337	CALA-15-103977	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.382	0.0474	pCi/L	0.0718	—	Y	—	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.525	0.0519	pCi/L	0.0971	—	Y	—	NQ	N3B-2018-3787	CALA-18-160739	GELC
LAOI(a)-1.1	295.2	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.683	0.0685	pCi/L	0.117	—	Y	—	NQ	2017-2882	CALA-17-143813	GELC
LAOI(a)-1.1	295.2	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.748	0.065	pCi/L	0.201	—	Y	—	NQ	2016-2199	CALA-16-124847	GELC
LAOI(a)-1.1	295.2	09/15/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.279	0.0288	pCi/L	0.112	—	Y	—	NQ	2015-2337	CALA-15-103977	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.75	—	SU	—	0.01	Y	H	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.09	—	SU	—	0.01	Y	H	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.91	—	SU	—	0.01	Y	H	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.98	—	SU	—	0.01	Y	H	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.86	—	SU	—	0.01	Y	H	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.99	—	SU	—	0.01	Y	H	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.9	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.6	—	mg/L	—	1.45	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.3	—	mg/L	—	1.45	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.3	—	mg/L	—	1.45	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	81.1	—	mg/L	—	0.725	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00774	0.00908	pCi/L	0.0262	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00949	0.00707	pCi/L	0.0633	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00999	0.00721	pCi/L	0.035	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00445	0.00629	pCi/L	0.0365	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00578	0.00639	pCi/L	0.0316	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.0107	pCi/L	0.0366	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.95	—	µg/L	—	2	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.43	—	µg/L	—	2	Y	J	J	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.3	—	µg/L	—	1.7	Y	J	J	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.5	—	µg/L	—	1	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.5	—	µg/L	—	1	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.2	—	µg/L	—	1	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.2	—	µg/L	—	1	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.8	—	µg/L	—	1	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39	—	µg/L	—	1	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.6	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.52	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.33	—	mg/L	—	0.067	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.973	—	mg/L	—	0.067	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.96	—	mg/L	—	0.067	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.695	—	mg/L	—	0.067	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.8	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.8	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.6	—	mg/L	—	0.05	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.6	—	mg/L	—	0.05	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.7	—	mg/L	—	0.05	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.4	—	mg/L	—	0.05	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0409	1.06	pCi/L	3.79	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.76	1.38	pCi/L	3.89	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.922	1.52	pCi/L	5.95	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.312	2.39	pCi/L	3.34	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.495	0.861	pCi/L	2.94	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0243	1.24	pCi/L	4.58	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32.8	—	mg/L	—	0.335	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	30.7	—	mg/L	—	0.268	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.2	—	mg/L	—	0.335	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.8	—	mg/L	—	0.335	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.5	—	mg/L	—	0.335	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	31.8	—	mg/L	—	0.335	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.53	1.77	pCi/L	4.68	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.66	1.33	pCi/L	5.47	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-4.26	1.42	pCi/L	3.59	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.8	0.63	pCi/L	2.72	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.381	0.811	pCi/L	2.95	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.74	1.22	pCi/L	5.24	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.37	0.996	pCi/L	2.74	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.61	0.818	pCi/L	2.48	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.44	1.09	pCi/L	2.89	—	Y	—	NQ	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.829	0.537	pCi/L	1.94	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.136	0.57	pCi/L	1.92	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.153	0.766	pCi/L	2.99	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.37	1.04	pCi/L	2.84	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.11	1.06	pCi/L	2.74	—	Y	—	NQ	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.73	0.846	pCi/L	1.74	—	Y	—	NQ	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	13.1	1.29	pCi/L	2.39	—	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.22	1.1	pCi/L	2.26	—	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.18	0.932	pCi/L	2.27	—	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	98.9	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	94.3	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	95	—	mg/L	—	0.453	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.9	—	mg/L	—	0.453	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.6	—	mg/L	—	0.453	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	86.3	—	mg/L	—	0.453	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.78	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.25	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.55	—	mg/L	—	0.11	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.86	—	mg/L	—	0.11	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.88	—	mg/L	—	0.11	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.77	—	mg/L	—	0.11	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.389	—	µg/L	—	0.2	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.526	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.457	—	µg/L	—	0.2	Y	J	J	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.511	—	µg/L	—	0.165	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.483	—	µg/L	—	0.165	Y	J	J	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.712	—	µg/L	—	0.165	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.03	1.95	pCi/L	6.41	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.86	2.34	pCi/L	8.8	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.755	2.48	pCi/L	9.17	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.3	1.85	pCi/L	6.73	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.3	1.65	pCi/L	5.76	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.78	2.71	pCi/L	9.34	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.85	—	mg/L	—	0.085	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.33	—	mg/L	—	0.085	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.15	—	mg/L	—	0.085	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.09	—	mg/L	—	0.085	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.09	—	mg/L	—	0.085	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.99	—	mg/L	—	0.085	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.64	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.36	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.63	—	µg/L	—	0.25	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.78	—	µg/L	—	0.5	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.46	—	µg/L	—	0.5	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.75	—	µg/L	—	0.5	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0184	0.0108	pCi/L	0.0402	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0179	0.00896	pCi/L	0.0287	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00904	0.00904	pCi/L	0.0392	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0029	0.00616	pCi/L	0.0296	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0185	0.00914	pCi/L	0.0428	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00687	0.00606	pCi/L	0.0459	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0161	0.011	pCi/L	0.0434	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00224	0.00923	pCi/L	0.0454	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00714	pCi/L	0.0508	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00858	0.00678	pCi/L	0.0374	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00623	0.00911	pCi/L	0.054	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00915	0.00561	pCi/L	0.041	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.33	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.48	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.7	—	mg/L	—	0.05	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.55	—	mg/L	—	0.05	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	7.47	—	mg/L	—	0.05	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	7.88	—	mg/L	—	0.05	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	24.1	pCi/L	34.9	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.31	19.9	pCi/L	29.9	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.2	20.5	pCi/L	77.4	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	28.5	11.4	pCi/L	42.2	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.1	12.8	pCi/L	41.9	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.2	18.4	pCi/L	52.9	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.4	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.4	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.6	—	mg/L	—	0.053	Y	—	J-	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.9	—	mg/L	—	0.053	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69	—	mg/L	—	0.053	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	mg/L	—	0.053	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.7	—	mg/L	—	0.1	Y	N	J-	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16	—	mg/L	—	0.1	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.7	—	mg/L	—	0.1	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.9	—	mg/L	—	0.1	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	mg/L	—	0.1	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.11	0.642	pCi/L	2.78	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.98	1.35	pCi/L	5.59	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.619	1.61	pCi/L	6.04	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.07	0.87	pCi/L	3.62	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.517	0.984	pCi/L	3.42	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.4	1.28	pCi/L	5.55	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	290	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	310	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	322	—	uS/cm	—	1	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	280	—	uS/cm	—	3.63	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	280	—	uS/cm	—	3.63	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	261	—	uS/cm	—	1	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137	—	µg/L	—	1	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	129	—	µg/L	—	1	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	125	—	µg/L	—	1	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	121	—	µg/L	—	1	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	123	—	µg/L	—	1	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	117	—	µg/L	—	1	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.221	0.113	pCi/L	0.481	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.1	0.0978	pCi/L	0.402	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.184	0.121	pCi/L	0.479	—	Y	U	U	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0913	0.0853	pCi/L	0.295	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.101	0.125	pCi/L	0.481	—	Y	U	U	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0715	0.124	pCi/L	0.477	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.1	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.9	—	mg/L	—	0.133	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	mg/L	—	0.133	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	mg/L	—	0.133	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	mg/L	—	0.133	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.52	—	µg/L	—	2.5	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	µg/L	—	2.5	Y	U	U	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	4.58	—	µg/L	—	2.5	Y	J	J	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	µg/L	—	2.5	Y	U	U	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	10	—	µg/L	—	2.5	Y	U	U	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	Y	2.71	—	µg/L	—	2.5	Y	J	J	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	250	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	219	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	230	—	mg/L	—	3.4	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	233	—	mg/L	—	3.4	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	213	—	mg/L	—	3.4	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	mg/L	—	3.4	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.879	—	mg/L	—	0.33	Y	J	J	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.62	—	mg/L	—	0.33	Y	J	J	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.769	—	mg/L	—	0.33	Y	J	J	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.615	—	mg/L	—	0.33	Y	J	J	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.655	—	mg/L	—	0.33	Y	J	J	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.643	—	mg/L	—	0.33	Y	J	J	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0769	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0405	—	mg/L	—	0.02	Y	J	U	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0326	—	mg/L	—	0.02	Y	J	U	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	—	mg/L	—	0.02	Y	J	J	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0367	—	mg/L	—	0.02	Y	J	J	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	mg/L	—	0.017	Y	U	U	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1120	85.2	pCi/L	160	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1530	83.9	pCi/L	158	—	Y	—	NQ	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	1740	106	pCi/L	197	—	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1580	100	pCi/L	192	—	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2060	114	pCi/L	171	—	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/03/2014	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2090	109	pCi/L	151	—	Y	—	NQ	2014-4474	CALA-14-86011	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/05/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.68	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3761	CALA-18-160742	GELC
LAOI-3.2	153.3	09/20/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.68	—	µg/L	—	0.067	Y	—	NQ	2017-2870	CALA-17-143818	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	µg/L	—	0.067	Y	—	NQ	2016-2179	CALA-16-124864	GELC
LAOI-3.2	153.3	08/24/2016	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	µg/L	—	0.067	Y	—	NQ	2016-2179	CALA-16-124829	GELC
LAOI-3.2	153.3	09/18/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.35	—	µg/L	—	0.067	Y	—	NQ	2015-2357	CALA-15-104000	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.702	0.0672	pCi/L	0.121	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.872	0.0738	pCi/L	0.172	—	Y	—	NQ	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.692	0.0399	pCi/L	0.0466	—	Y	—	J+	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.692	0.0406	pCi/L	0.0858	—	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.637	0.0398	pCi/L	0.0897	—	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.453	0.0363	pCi/L	0.118	—	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0193	0.0164	pCi/L	0.0907	—	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.125	0.034	pCi/L	0.164	—	Y	U	U	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0817	0.0172	pCi/L	0.0496	—	Y	—	J	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0713	0.0164	pCi/L	0.0822	—	Y	U	U	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0984	0.0176	pCi/L	0.0859	—	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.045	0.0143	pCi/L	0.0833	—	Y	U	U	2015-2357	CALA-15-103978	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.616	0.0632	pCi/L	0.0812	—	Y	—	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/05/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.585	0.0604	pCi/L	0.119	—	Y	—	NQ	N3B-2018-3761	CALA-18-160743	GELC
LAOI-3.2	153.3	09/20/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.639	0.038	pCi/L	0.0451	—	Y	—	NQ	2017-2870	CALA-17-143814	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.531	0.0353	pCi/L	0.0857	—	Y	—	NQ	2016-2179	CALA-16-124828	GELC
LAOI-3.2	153.3	08/24/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.579	0.0377	pCi/L	0.0896	—	Y	—	NQ	2016-2179	CALA-16-124848	GELC
LAOI-3.2	153.3	09/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.479	0.037	pCi/L	0.11	—	Y	—	NQ	2015-2357	CALA-15-103978	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.88	—	SU	—	0.01	Y	H	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.14	—	SU	—	0.01	Y	H	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.02	—	SU	—	0.01	Y	H	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.32	—	SU	—	0.01	Y	H	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.11	—	SU	—	0.01	Y	H	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	79.4	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.2	—	mg/L	—	1.45	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.3	—	mg/L	—	1.45	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.9	—	mg/L	—	0.725	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00262	0.00869	pCi/L	0.0355	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00334	0.00746	pCi/L	0.0667	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00722	0.00636	pCi/L	0.0422	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0106	0.0106	pCi/L	0.0581	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.016	0.00883	pCi/L	0.0366	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.115	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.035	—	mg/L	—	0.017	Y	J	U	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0915	—	mg/L	—	0.017	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.117	—	mg/L	—	0.017	Y	—	U	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0176	—	mg/L	—	0.017	Y	J	U	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.3	—	µg/L	—	1	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.1	—	µg/L	—	1	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.4	—	µg/L	—	1	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.9	—	µg/L	—	1	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.1	—	µg/L	—	1	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	—	µg/L	—	15	Y	J	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.6	—	µg/L	—	15	Y	J	J	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.7	—	µg/L	—	15	Y	J	J	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	µg/L	—	15	Y	U	U	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.4	—	µg/L	—	15	Y	J	J	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.28	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.04	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.89	—	mg/L	—	0.067	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.729	—	mg/L	—	0.067	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.664	—	mg/L	—	0.067	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.4	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	25.7	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.3	—	mg/L	—	0.05	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.7	—	mg/L	—	0.05	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	24.3	—	mg/L	—	0.05	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.38	1.49	pCi/L	5.32	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.17	1.32	pCi/L	4.64	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.941	1.61	pCi/L	6.17	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.702	1.34	pCi/L	5.39	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.4	1.48	pCi/L	5.57	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	25.8	—	mg/L	—	0.335	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	24	—	mg/L	—	0.335	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.4	—	mg/L	—	0.335	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	21.5	—	mg/L	—	0.335	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.4	—	mg/L	—	0.335	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.375	1.58	pCi/L	6.05	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.43	1.49	pCi/L	4.5	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.535	1.69	pCi/L	6.85	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.668	1.34	pCi/L	5.75	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.696	1.38	pCi/L	4.95	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.114	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	N	0.033	—	mg/L	—	0.033	Y	U	U	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0519	—	mg/L	—	0.033	Y	J	J	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0415	—	mg/L	—	0.033	Y	J	J	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0476	—	mg/L	—	0.033	Y	J	J	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.75	1.04	pCi/L	2.75	—	Y	—	U	N3B-2019-3278	CALA-19-185293	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.842	0.869	pCi/L	3	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.27	1.17	pCi/L	2.95	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	16.1	0.865	pCi/L	1.52	—	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.196	0.675	pCi/L	2.88	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.3	1.28	pCi/L	2.86	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.61	1.08	pCi/L	3.08	—	Y	—	NQ	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.54	0.971	pCi/L	2.23	—	Y	—	J	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.96	1.3	pCi/L	2.67	—	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	13.2	0.989	pCi/L	1.9	—	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.1	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.6	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.6	—	mg/L	—	0.453	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.7	—	mg/L	—	0.453	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.9	—	mg/L	—	0.453	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.38	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.23	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.08	—	mg/L	—	0.11	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.12	—	mg/L	—	0.11	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.17	—	mg/L	—	0.11	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	11.5	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	7.13	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	5.56	—	µg/L	—	0.2	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	3.75	—	µg/L	—	0.3	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.84	—	µg/L	—	0.165	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.41	2.32	pCi/L	9.12	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.15	2.03	pCi/L	6.99	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.551	2.94	pCi/L	11	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.49	2.78	pCi/L	9.06	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.193	2.93	pCi/L	10.1	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.755	—	µg/L	—	0.6	Y	J	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	µg/L	—	0.6	Y	U	U	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.658	—	µg/L	—	0.6	Y	J	J	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	µg/L	—	0.5	Y	U	U	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.551	—	µg/L	—	0.5	Y	J	J	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.54	—	mg/L	—	0.085	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.46	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.69	—	mg/L	—	0.085	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.56	—	mg/L	—	0.085	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.78	—	mg/L	—	0.085	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.74	—	µg/L	—	0.05	Y	—	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.86	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2	—	µg/L	—	0.05	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.55	—	µg/L	—	0.25	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.27	—	µg/L	—	0.25	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00218	0.0095	pCi/L	0.0382	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00637	0.00562	pCi/L	0.0272	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00251	0.00972	pCi/L	0.0435	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00602	pCi/L	0.0432	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00239	0.00632	pCi/L	0.0479	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00218	0.00949	pCi/L	0.0412	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00637	0.00637	pCi/L	0.0431	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00753	0.0103	pCi/L	0.0564	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00982	0.00777	pCi/L	0.0542	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00239	0.00985	pCi/L	0.0428	—	Y	U	U	2015-2353	CALA-15-103979	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.5	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.2	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.65	—	mg/L	—	0.05	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	9.99	—	mg/L	—	0.05	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.6	—	mg/L	—	0.05	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21	29.1	pCi/L	71.6	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	47.1	37.2	pCi/L	42.3	—	Y	UI	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.6	24.1	pCi/L	68.3	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.9	21.8	pCi/L	90.9	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	47.1	15.9	pCi/L	52.5	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.1	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.7	—	mg/L	—	0.053	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.1	—	mg/L	—	0.053	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.3	—	mg/L	—	0.053	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.8	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.6	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.9	—	mg/L	—	0.1	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	—	mg/L	—	0.1	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.1	—	mg/L	—	0.1	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.8	1.69	pCi/L	6.22	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.155	1.24	pCi/L	4.48	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.715	1.66	pCi/L	5.52	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.732	1.55	pCi/L	6.43	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.28	1.71	pCi/L	4.75	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	267	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	279	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	300	—	uS/cm	—	1	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	247	—	uS/cm	—	3.63	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	uS/cm	—	1	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	161	—	µg/L	—	1	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	159	—	µg/L	—	1	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	142	—	µg/L	—	1	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	153	—	µg/L	—	1	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	151	—	µg/L	—	1	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.136	0.106	pCi/L	0.479	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.297	0.125	pCi/L	0.484	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00728	0.0995	pCi/L	0.39	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.16	0.0685	pCi/L	0.223	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.233	0.125	pCi/L	0.48	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.7	—	mg/L	—	0.133	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	mg/L	—	0.133	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11	—	mg/L	—	0.133	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	326	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	253	—	mg/L	—	3.4	Y	—	NQ	2017-2882	CALA-17-143819	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	220	—	mg/L	—	3.4	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	—	mg/L	—	3.4	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.043	—	mg/L	—	0.033	Y	J	J-	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.107	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0343	—	mg/L	—	0.033	Y	J	J	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	mg/L	—	0.033	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	mg/L	—	0.033	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.686	—	mg/L	—	0.33	Y	J	J	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.488	—	mg/L	—	0.33	Y	J	J	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.662	—	mg/L	—	0.33	Y	J	J	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.582	—	mg/L	—	0.33	Y	J	J	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.669	—	mg/L	—	0.33	Y	J	J	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0766	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0344	—	mg/L	—	0.02	Y	J	U	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0391	—	mg/L	—	0.02	Y	J	U	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	mg/L	—	0.02	Y	U	U	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	mg/L	—	0.017	Y	U	U	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	603	75.6	pCi/L	182	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	922	65.4	pCi/L	133	—	Y	—	NQ	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	926	69.9	pCi/L	155	—	Y	—	NQ	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	957	77.6	pCi/L	150	—	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1150	90.9	pCi/L	171	—	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.6	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.56	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3787	CALA-18-160749	GELC
LAOI-3.2a	181.4	09/21/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.45	—	µg/L	—	0.067	Y	—	NQ	2017-2882	CALA-17-143819	GELC
LAOI-3.2a	181.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	µg/L	—	0.067	Y	—	NQ	2016-2284	CALA-16-124865	GELC
LAOI-3.2a	181.4	09/17/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.57	—	µg/L	—	0.067	Y	—	NQ	2015-2353	CALA-15-104001	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.669	0.0577	pCi/L	0.0926	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.694	0.0594	pCi/L	0.138	—	Y	—	NQ	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.714	0.0527	pCi/L	0.0721	—	Y	—	NQ	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.663	0.0389	pCi/L	0.0811	—	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.529	0.043	pCi/L	0.142	—	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0266	0.0151	pCi/L	0.0694	—	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0859	0.0252	pCi/L	0.132	—	Y	U	U	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0714	0.0195	pCi/L	0.0769	—	Y	U	U	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.027	0.00935	pCi/L	0.0778	—	Y	U	U	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0375	0.0138	pCi/L	0.1	—	Y	U	U	2015-2353	CALA-15-103979	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.574	0.0543	pCi/L	0.0621	—	Y	—	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.624	0.0556	pCi/L	0.0958	—	Y	—	NQ	N3B-2018-3787	CALA-18-160750	GELC
LAOI-3.2a	181.4	09/21/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.484	0.0436	pCi/L	0.0698	—	Y	—	NQ	2017-2882	CALA-17-143815	GELC
LAOI-3.2a	181.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.633	0.0373	pCi/L	0.0811	—	Y	—	NQ	2016-2284	CALA-16-124849	GELC
LAOI-3.2a	181.4	09/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.526	0.0426	pCi/L	0.132	—	Y	—	NQ	2015-2353	CALA-15-103979	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	SU	—	0.01	Y	H	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.39	—	SU	—	0.01	Y	H	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.44	—	SU	—	0.01	Y	H	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	SU	—	0.01	Y	H	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.77	—	SU	—	0.01	Y	H	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.3	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.8	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.3	—	mg/L	—	1.45	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.2	—	mg/L	—	1.45	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.8	—	mg/L	—	0.725	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00684	0.00684	pCi/L	0.0309	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0107	0.00658	pCi/L	0.0537	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000153	0.00634	pCi/L	0.0321	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00487	0.00688	pCi/L	0.04	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00917	0.0112	pCi/L	0.0581	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0666	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0558	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0199	—	mg/L	—	0.017	Y	J	J	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	mg/L	—	0.017	Y	U	U	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	mg/L	—	0.017	Y	U	U	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	Y	4.49	—	µg/L	—	2	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.5	—	µg/L	—	2	Y	J	J	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.2	—	µg/L	—	1	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	µg/L	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.7	—	µg/L	—	1	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	23.6	—	µg/L	—	1	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.7	—	µg/L	—	1	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	—	mg/L	—	0.067	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.12	—	mg/L	—	0.067	Y	J	J	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.143	—	mg/L	—	0.067	Y	J	J	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.122	—	mg/L	—	0.067	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0929	—	mg/L	—	0.067	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.8	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.8	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17	—	mg/L	—	0.05	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.7	—	mg/L	—	0.05	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.9	—	mg/L	—	0.05	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.2	1.33	pCi/L	4.78	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.975	0.972	pCi/L	3.27	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.911	1.37	pCi/L	4.86	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.25	1.35	pCi/L	5.58	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.5	1.86	pCi/L	6.92	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.7	—	mg/L	—	0.335	Y	—	J+	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23	—	mg/L	—	0.335	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	24.3	—	mg/L	—	0.335	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	19.5	—	mg/L	—	0.335	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	20.1	—	mg/L	—	0.335	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0393	1.37	pCi/L	5.3	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.04	1.12	pCi/L	4.67	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.97	1.35	pCi/L	4.59	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.5	0.961	pCi/L	4.31	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.37	1.4	pCi/L	5.71	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.254	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.249	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.138	—	mg/L	—	0.033	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.119	—	mg/L	—	0.033	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.135	—	mg/L	—	0.033	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0734	0.532	pCi/L	2.3	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.967	0.839	pCi/L	2.97	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.73	0.884	pCi/L	2.61	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1	0.819	pCi/L	2.83	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.91	1.06	pCi/L	2.86	—	Y	—	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.99	0.771	pCi/L	2.13	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.33	0.821	pCi/L	1.9	—	Y	—	NQ	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.09	1.04	pCi/L	2.98	—	Y	—	NQ	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.38	0.837	pCi/L	2.15	—	Y	—	J	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.3	0.412	pCi/L	1.12	—	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.5	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.3	—	mg/L	—	0.453	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65	—	mg/L	—	0.453	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.7	—	mg/L	—	0.453	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.8	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.12	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.24	—	mg/L	—	0.11	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.26	—	mg/L	—	0.11	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.82	—	mg/L	—	0.11	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.57	—	µg/L	—	2	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.47	—	µg/L	—	2	Y	J	J	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.53	—	µg/L	—	2	Y	J	J	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.37	—	µg/L	—	2	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	6.06	—	µg/L	—	2	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	1.21	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	µg/L	—	0.2	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	µg/L	—	0.3	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.868	—	µg/L	—	0.165	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.39	2.49	pCi/L	8.56	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.993	1.98	pCi/L	7.16	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.258	2.58	pCi/L	9.46	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.35	2.01	pCi/L	7.22	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.41	4.44	pCi/L	10.3	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	Y	4.34	—	µg/L	—	0.6	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.01	—	µg/L	—	0.6	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.83	—	µg/L	—	0.6	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	6.15	—	µg/L	—	0.5	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	21.2	—	µg/L	—	0.5	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.259	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	—	mg/L	—	0.017	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.246	—	mg/L	—	0.017	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.282	—	mg/L	—	0.017	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.639	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.671	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.664	—	µg/L	—	0.05	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.757	—	µg/L	—	0.05	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.762	—	µg/L	—	0.05	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0179	0.0148	pCi/L	0.0627	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.000000000629	0.00462	pCi/L	0.0242	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00492	0.00602	pCi/L	0.0426	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00000000185	0.00876	pCi/L	0.0487	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0172	0.00812	pCi/L	0.0394	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00000000119	0.00877	pCi/L	0.0677	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00377	0.00754	pCi/L	0.0383	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00983	0.00777	pCi/L	0.0552	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000185	0.00876	pCi/L	0.0611	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0316	0.0111	pCi/L	0.0483	—	Y	U	U	2014-4539	CALA-14-86013	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.25	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.58	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.02	—	mg/L	—	0.05	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5	—	mg/L	—	0.05	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.11	—	mg/L	—	0.05	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	26.8	16.3	pCi/L	52.2	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.52	14.6	pCi/L	60.2	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.35	18	pCi/L	67.8	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15	15.1	pCi/L	57.4	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.1	17.2	pCi/L	65.2	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.9	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.8	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53.8	—	mg/L	—	0.053	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.1	—	mg/L	—	0.053	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.7	—	mg/L	—	0.053	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	—	mg/L	—	0.1	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4	—	mg/L	—	0.1	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.1	—	mg/L	—	0.1	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.227	1.07	pCi/L	4.2	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.238	1.54	pCi/L	5.18	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.09	1.2	pCi/L	3.95	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.33	0.902	pCi/L	4.23	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.23	1.37	pCi/L	5.06	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	211	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	236	—	uS/cm	—	1	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	uS/cm	—	3.63	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	uS/cm	—	3.63	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.5	—	µg/L	—	1	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	79.5	—	µg/L	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.9	—	µg/L	—	1	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	85.5	—	µg/L	—	1	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	84.1	—	µg/L	—	1	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.154	0.126	pCi/L	0.491	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.329	0.151	pCi/L	0.489	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0747	0.13	pCi/L	0.435	—	Y	U	U	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.151	0.103	pCi/L	0.36	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.199	0.128	pCi/L	0.48	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	mg/L	—	0.665	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.6	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.9	—	mg/L	—	0.133	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.59	—	mg/L	—	0.133	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	—	mg/L	—	0.133	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	mg/L	—	3.4	Y	—	NQ	2017-2916	CALA-17-144805	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	mg/L	—	3.4	Y	—	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	mg/L	—	3.4	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.802	—	mg/L	—	0.33	Y	J	J	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.62	—	mg/L	—	0.33	Y	J	J	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.936	—	mg/L	—	0.33	Y	J	J	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.9	—	mg/L	—	0.33	Y	J	J	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1	—	mg/L	—	0.33	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	362	60.5	pCi/L	160	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	446	63.6	pCi/L	161	—	Y	—	NQ	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	376	57.1	pCi/L	158	—	Y	—	NQ	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	551	66.3	pCi/L	154	—	Y	—	NQ	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	670	60.3	pCi/L	162	—	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	0.621	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.537	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.56	—	µg/L	—	0.067	Y	—	NQ	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.498	—	µg/L	—	0.067	Y	—	NQ	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.63	—	µg/L	—	0.067	Y	—	NQ	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.199	0.0265	pCi/L	0.0623	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.328	0.0372	pCi/L	0.113	—	Y	—	NQ	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.404	0.0364	pCi/L	0.0556	—	Y	—	NQ	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.205	0.021	pCi/L	0.0688	—	Y	—	NQ	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.23	0.0247	pCi/L	0.0554	—	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0246	0.0106	pCi/L	0.0461	—	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0652	0.0208	pCi/L	0.108	—	Y	U	U	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0974	0.02	pCi/L	0.0591	—	Y	—	NQ	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0114	0.00758	pCi/L	0.0659	—	Y	U	U	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0158	0.00834	pCi/L	0.0406	—	Y	U	U	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.191	0.0265	pCi/L	0.0414	—	Y	—	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.243	0.0329	pCi/L	0.0782	—	Y	—	NQ	N3B-2018-3897	CALA-18-160753	GELC
LAOI-7	240.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.257	0.0273	pCi/L	0.0538	—	Y	—	NQ	2017-2916	CALA-17-144812	GELC
LAOI-7	240.0	08/31/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.17	0.0185	pCi/L	0.0687	—	Y	—	NQ	2016-2310	CALA-16-124850	GELC
LAOI-7	240.0	09/11/2014	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.202	0.023	pCi/L	0.0321	—	Y	—	NQ	2014-4539	CALA-14-86013	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.67	—	µg/L	—	1	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.44	—	µg/L	—	1	Y	J	J	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.52	—	µg/L	—	1	Y	J	J	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.29	—	µg/L	—	1	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.51	—	µg/L	—	1	Y	J	J	2014-4539	CALA-14-86024	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.86	—	µg/L	—	3.3	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	7.7	—	µg/L	—	3.3	Y	J	J	N3B-2018-3897	CALA-18-160752	GELC
LAOI-7	240.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	µg/L	—	3.3	Y	U	U	2017-2916	CALA-17-144805	GELC
LAOI-7	240.0	08/31/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.97	—	µg/L	—	3.3	Y	J	J	2016-2310	CALA-16-124866	GELC
LAOI-7	240.0	09/11/2014	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.36	—	µg/L	—	3.3	Y	J	J	2014-4539	CALA-14-86024	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	4.65	—	µg/L	—	1.5	Y	J	J	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	7.91	—	µg/L	—	1.5	Y	J	J	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	µg/L	—	1.5	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	1.95	—	µg/L	—	1.5	Y	J	J	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	UH	UJ	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	UH	UJ	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	UH	UJ	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	SU	—	0.01	Y	H	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	SU	—	0.01	Y	H	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.76	—	SU	—	0.01	Y	H	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.68	—	SU	—	0.01	Y	H	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	SU	—	0.01	Y	H	NQ	2016-2159	CALA-16-124872	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	SU	—	0.01	Y	H	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	SU	—	0.01	Y	H	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.2	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.8	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.9	—	mg/L	—	1.45	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.3	—	mg/L	—	1.45	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	mg/L	—	0.725	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	mg/L	—	0.725	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00176	0.00727	pCi/L	0.0239	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00177	0.00731	pCi/L	0.024	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00000000199	0.00943	pCi/L	0.0597	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0245	0.00944	pCi/L	0.0268	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00474	0.00671	pCi/L	0.0389	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0079	0.0079	pCi/L	0.0423	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00379	0.00464	pCi/L	0.0304	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.6	—	µg/L	—	2	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.48	—	µg/L	—	2	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.74	—	µg/L	—	2	Y	J	J	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.71	—	µg/L	—	1.7	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.71	—	µg/L	—	1.7	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.91	—	µg/L	—	1.7	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.6	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18.5	—	µg/L	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	19.7	—	µg/L	—	1	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.7	—	µg/L	—	1	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.4	—	µg/L	—	1	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.5	—	µg/L	—	1	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.9	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20	—	mg/L	—	0.05	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.8	—	mg/L	—	0.05	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.4	—	mg/L	—	0.05	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.3	—	mg/L	—	0.05	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.251	1.15	pCi/L	4.09	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.94	1.48	pCi/L	5.16	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.091	1.04	pCi/L	3.78	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.47	1.27	pCi/L	4.63	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.2	1.08	pCi/L	3.56	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.99	1.69	pCi/L	5.9	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.97	1.58	pCi/L	5.46	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	12.8	—	mg/L	—	0.134	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	12.7	—	mg/L	—	0.134	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	13.8	—	mg/L	—	0.134	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.3	—	mg/L	—	0.134	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	15.4	—	mg/L	—	0.335	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.5	—	mg/L	—	0.268	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	16.4	—	mg/L	—	0.268	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.287	1.22	pCi/L	4.33	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	1.18	pCi/L	4.25	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.48	1.31	pCi/L	4.62	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.07	1.35	pCi/L	4.49	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0448	1.01	pCi/L	3.86	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.8	1.55	pCi/L	5.75	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.44	1.59	pCi/L	5.74	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.04	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.04	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.956	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.805	—	mg/L	—	0.033	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.681	—	mg/L	—	0.033	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.754	—	mg/L	—	0.033	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.745	—	mg/L	—	0.033	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.102	0.67	pCi/L	2.85	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.927	0.465	pCi/L	2.84	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0232	0.492	pCi/L	2.21	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.701	0.785	pCi/L	2.92	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.64	0.485	pCi/L	1.48	—	Y	—	NQ	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.0313	0.696	pCi/L	2.86	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.137	0.684	pCi/L	2.95	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.134	0.746	pCi/L	2.68	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.31	0.925	pCi/L	2.92	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.8	0.823	pCi/L	2.65	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.735	0.769	pCi/L	2.65	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.583	0.66	pCi/L	2.55	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.25	0.725	pCi/L	2.19	—	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.73	0.774	pCi/L	2.61	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.8	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.7	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61.3	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.9	—	mg/L	—	0.453	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67	—	mg/L	—	0.453	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73.2	—	mg/L	—	0.453	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	72.8	—	mg/L	—	0.453	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.49	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.46	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.4	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.61	—	mg/L	—	0.11	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.68	—	mg/L	—	0.11	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.17	—	mg/L	—	0.11	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.14	—	mg/L	—	0.11	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.8	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.71	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.72	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.7	—	µg/L	—	0.2	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	µg/L	—	0.165	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	µg/L	—	0.165	Y	—	J	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.57	—	µg/L	—	0.165	Y	—	J	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.81	1.9	pCi/L	7.53	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.986	2.14	pCi/L	7.66	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.25	1.85	pCi/L	6.33	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.17	2.62	pCi/L	9.89	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.28	1.71	pCi/L	6.05	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.752	2.59	pCi/L	9.23	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.27	3.16	pCi/L	10.8	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.618	—	µg/L	—	0.6	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	µg/L	—	0.6	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	µg/L	—	0.6	Y	U	U	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.54	—	µg/L	—	0.6	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.1	—	µg/L	—	0.5	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.795	—	µg/L	—	0.5	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.843	—	µg/L	—	0.5	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.35	—	mg/L	—	0.17	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.41	—	mg/L	—	0.17	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.78	—	mg/L	—	0.17	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.58	—	mg/L	—	0.17	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.4	—	mg/L	—	0.085	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.33	—	mg/L	—	0.085	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.47	—	mg/L	—	0.085	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.12	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.22	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.02	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.63	—	µg/L	—	0.25	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	6.26	—	µg/L	—	0.5	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.76	—	µg/L	—	0.5	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	5.72	—	µg/L	—	0.5	Y	—	J+	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0146	0.00845	pCi/L	0.0427	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0152	0.0091	pCi/L	0.0531	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0127	0.00839	pCi/L	0.0324	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00417	0.00659	pCi/L	0.0361	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0176	0.00695	pCi/L	0.0387	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00399	0.00489	pCi/L	0.04	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00207	0.00686	pCi/L	0.0415	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00244	0.00879	pCi/L	0.0461	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0152	0.00909	pCi/L	0.0573	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0228	0.0104	pCi/L	0.0513	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00625	0.00691	pCi/L	0.0468	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00000000147	0.00695	pCi/L	0.0485	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00998	0.00719	pCi/L	0.0357	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00413	0.0109	pCi/L	0.037	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.569	—	mg/L	—	0.05	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.537	—	mg/L	—	0.05	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.507	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.57	—	mg/L	—	0.05	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.608	—	mg/L	—	0.05	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.671	—	mg/L	—	0.05	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	0.683	—	mg/L	—	0.05	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.65	17.2	pCi/L	41.2	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-1.67	13.9	pCi/L	57.8	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.1	13.2	pCi/L	50	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.23	20.3	pCi/L	54.5	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.8	22	pCi/L	40.9	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	16.3	15.4	pCi/L	63.2	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.78	17.7	pCi/L	65	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.2	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.3	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.3	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.5	—	mg/L	—	0.053	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.4	—	mg/L	—	0.053	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.2	—	mg/L	—	0.053	Y	—	NQ	2015-2329	CALA-15-104014	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.8	—	mg/L	—	0.053	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.4	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.5	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.8	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.3	—	mg/L	—	0.1	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	mg/L	—	0.1	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.8	—	mg/L	—	0.1	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.6	—	mg/L	—	0.1	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.6	1	pCi/L	2.61	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.118	0.949	pCi/L	4	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.02	1.19	pCi/L	3.5	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.14	1.28	pCi/L	4.57	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.603	0.872	pCi/L	3.17	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.913	1.23	pCi/L	5.01	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.58	1.77	pCi/L	5.29	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1360	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	175	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	210	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	240	—	uS/cm	—	1	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	225	—	uS/cm	—	3.63	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	228	—	uS/cm	—	3.63	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	223	—	uS/cm	—	3.63	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.9	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	82.8	—	µg/L	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	91.8	—	µg/L	—	1	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	91	—	µg/L	—	1	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	95.7	—	µg/L	—	1	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	93.4	—	µg/L	—	1	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.312	0.148	pCi/L	0.473	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.121	0.136	pCi/L	0.475	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0299	0.134	pCi/L	0.487	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.137	0.135	pCi/L	0.473	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0871	0.128	pCi/L	0.483	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.28	0.116	pCi/L	0.473	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0555	0.121	pCi/L	0.488	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.93	—	mg/L	—	0.133	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.96	—	mg/L	—	0.133	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.16	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.93	—	mg/L	—	0.133	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.43	—	mg/L	—	0.133	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.83	—	mg/L	—	0.133	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.79	—	mg/L	—	0.133	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2902	CALA-17-144816	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	—	mg/L	—	3.4	Y	—	J+	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	mg/L	—	3.4	Y	—	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	196	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	mg/L	—	3.4	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	—	mg/L	—	3.4	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	200	—	mg/L	—	3.4	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	mg/L	—	3.4	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.408	—	mg/L	—	0.33	Y	J	J	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.431	—	mg/L	—	0.33	Y	J	J	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	mg/L	—	0.33	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.484	—	mg/L	—	0.33	Y	J	J	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.365	—	mg/L	—	0.33	Y	J	J	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.1	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0947	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0643	—	mg/L	—	0.02	Y	—	U	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.522	—	mg/L	—	0.02	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0815	—	mg/L	—	0.02	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0739	—	mg/L	—	0.017	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0558	—	mg/L	—	0.017	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1140	84	pCi/L	154	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	1100	84.2	pCi/L	159	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1820	104	pCi/L	156	—	Y	—	NQ	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1750	86.9	pCi/L	155	—	Y	—	NQ	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1990	110	pCi/L	195	—	Y	—	NQ	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	2180	115	pCi/L	161	—	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	2250	117	pCi/L	161	—	Y	—	NQ	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.292	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.286	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.311	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.351	—	µg/L	—	0.067	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.388	—	µg/L	—	0.067	Y	—	NQ	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.443	—	µg/L	—	0.067	Y	—	NQ	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.423	—	µg/L	—	0.067	Y	—	NQ	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.228	0.039	pCi/L	0.108	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.27	0.0417	pCi/L	0.103	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.287	0.041	pCi/L	0.149	—	Y	—	NQ	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.344	0.0406	pCi/L	0.0848	—	Y	—	NQ	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.382	0.0316	pCi/L	0.0904	—	Y	—	NQ	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.384	0.0328	pCi/L	0.115	—	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.424	0.0319	pCi/L	0.0951	—	Y	—	NQ	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0139	0.0104	pCi/L	0.0809	—	Y	U	U	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0163	0.0139	pCi/L	0.0768	—	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0448	0.0184	pCi/L	0.142	—	Y	U	U	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0504	0.0179	pCi/L	0.0905	—	Y	U	U	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0661	0.0159	pCi/L	0.0867	—	Y	U	U	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0135	0.00825	pCi/L	0.0811	—	Y	U	U	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.039	0.0131	pCi/L	0.0671	—	Y	U	U	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.1	0.0263	pCi/L	0.0723	—	Y	—	NQ	N3B-2019-3247	CALA-19-185297	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.114	0.0265	pCi/L	0.0687	—	Y	—	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.0324	pCi/L	0.103	—	Y	—	NQ	N3B-2018-3815	CALA-18-160756	GELC
R-6i	602.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.222	0.0321	pCi/L	0.082	—	Y	—	NQ	2017-2902	CALA-17-144816	GELC
R-6i	602.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.214	0.0231	pCi/L	0.0903	—	Y	—	J	2016-2159	CALA-16-124856	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.147	0.0211	pCi/L	0.107	—	Y	—	NQ	2015-2329	CALA-15-103955	GELC
R-6i	602.0	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.153	0.0199	pCi/L	0.0882	—	Y	—	NQ	2015-2329	CALA-15-103992	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.57	—	µg/L	—	1	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.29	—	µg/L	—	1	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.24	—	µg/L	—	1	Y	J	J	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.27	—	µg/L	—	1	Y	J	J	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.07	—	µg/L	—	1	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.4	—	µg/L	—	1	Y	J	J	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.36	—	µg/L	—	1	Y	J	J	2015-2329	CALA-15-103957	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.3	—	µg/L	—	3.3	Y	J	J	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	9.57	—	µg/L	—	3.3	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	15.8	—	µg/L	—	3.3	Y	—	U	N3B-2018-3815	CALA-18-160755	GELC
R-6i	602.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	22	—	µg/L	—	3.3	Y	—	NQ	2017-2902	CALA-17-144809	GELC
R-6i	602.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.53	—	µg/L	—	3.3	Y	J	J	2016-2159	CALA-16-124872	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	µg/L	—	3.3	Y	U	U	2015-2329	CALA-15-104014	GELC
R-6i	602.0	09/10/2015	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	µg/L	—	3.3	Y	U	U	2015-2329	CALA-15-103957	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.16	—	SU	—	0.01	Y	H	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.49	—	SU	—	0.01	Y	H	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.37	—	SU	—	0.01	Y	H	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.21	—	SU	—	0.01	Y	H	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	—	SU	—	0.01	Y	H	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	103	—	mg/L	—	1.45	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	100	—	mg/L	—	1.45	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	98	—	mg/L	—	0.725	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0108	0.0213	pCi/L	0.047	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.105	0.091	pCi/L	0.526	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0158	0.0131	pCi/L	0.0346	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00291	0.0065	pCi/L	0.0478	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0081	0.00641	pCi/L	0.0326	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0396	—	mg/L	—	0.017	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0465	—	mg/L	—	0.017	Y	J	U	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0284	—	mg/L	—	0.017	Y	J	J	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0977	—	mg/L	—	0.017	Y	—	U	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.115	—	mg/L	—	0.017	Y	—	U	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	Y	5.92	—	µg/L	—	2	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.75	—	µg/L	—	1.7	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45.6	—	µg/L	—	1	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.5	—	µg/L	—	1	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42	—	µg/L	—	1	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42.2	—	µg/L	—	1	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	41.9	—	µg/L	—	1	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.1	—	µg/L	—	15	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15	—	µg/L	—	15	Y	U	U	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.8	—	µg/L	—	15	Y	J	J	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.6	—	µg/L	—	15	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30.7	—	µg/L	—	15	Y	J	J	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.33	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.99	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.84	—	mg/L	—	0.067	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.73	—	mg/L	—	0.067	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.81	—	mg/L	—	0.067	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	42.8	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	37	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	40	—	mg/L	—	0.05	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	42.5	—	mg/L	—	0.05	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	40	—	mg/L	—	0.05	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.206	1.05	pCi/L	3.96	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.217	0.94	pCi/L	3.37	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.726	1.19	pCi/L	4.25	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.721	0.883	pCi/L	3.34	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0228	1.07	pCi/L	3.94	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.2	—	mg/L	—	0.67	Y	—	J+	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	40	—	mg/L	—	0.335	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38	—	mg/L	—	0.335	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.9	—	mg/L	—	0.67	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.1	—	mg/L	—	0.335	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	Y	3.82	—	µg/L	—	3	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.48	—	µg/L	—	3	Y	J	J	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.98	—	µg/L	—	3	Y	J	J	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.22	—	µg/L	—	2	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	4.68	—	µg/L	—	2	Y	J	U	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.26	1.04	pCi/L	3.59	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.454	1	pCi/L	3.73	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.62	1.23	pCi/L	5.4	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.162	0.767	pCi/L	2.93	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.539	1.01	pCi/L	3.93	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.176	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.095	—	mg/L	—	0.033	Y	J	J	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0804	—	mg/L	—	0.033	Y	J	J	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.123	—	mg/L	—	0.033	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.72	0.989	pCi/L	2.99	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.61	0.411	pCi/L	1.18	—	Y	—	NQ	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.5	1.07	pCi/L	2.88	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.07	0.849	pCi/L	2.91	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0877	0.673	pCi/L	2.95	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.42	1	pCi/L	2.71	—	Y	—	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.52	1.07	pCi/L	2.19	—	Y	—	NQ	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.67	0.937	pCi/L	2.17	—	Y	—	NQ	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.92	0.945	pCi/L	2.49	—	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.66	0.884	pCi/L	2.32	—	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	144	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	123	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	134	—	mg/L	—	0.453	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	141	—	mg/L	—	0.453	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	134	—	mg/L	—	0.453	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	9	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.38	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.3	—	mg/L	—	0.11	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.45	—	mg/L	—	0.11	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.3	—	mg/L	—	0.11	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	165	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	166	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	161	—	µg/L	—	2	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	163	—	µg/L	—	0.165	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	160	—	µg/L	—	0.33	Y	—	NQ	2015-2314	CALA-15-104019	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.19	2.26	pCi/L	8.76	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.05	1.82	pCi/L	7	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.575	2.71	pCi/L	10	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.438	1.62	pCi/L	5.95	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.17	2.54	pCi/L	8.61	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	Y	3.85	—	µg/L	—	0.6	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.05	—	µg/L	—	0.6	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.35	—	µg/L	—	0.6	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	13.5	—	µg/L	—	0.5	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	15.7	—	µg/L	—	0.5	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.22	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	mg/L	—	0.17	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.45	—	mg/L	—	0.17	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.09	—	mg/L	—	0.017	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.04	—	mg/L	—	0.017	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.652	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.602	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.658	—	µg/L	—	0.05	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.587	—	µg/L	—	0.05	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.604	—	µg/L	—	0.05	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00454	0.00964	pCi/L	0.0398	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0644	pCi/L	0.206	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00382	0.00604	pCi/L	0.0331	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00202	0.00533	pCi/L	0.0354	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00198	0.00713	pCi/L	0.0396	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0114	0.00819	pCi/L	0.0429	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0644	0.0558	pCi/L	0.327	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00191	0.00689	pCi/L	0.0429	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00202	0.00668	pCi/L	0.0445	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00395	0.00739	pCi/L	0.0354	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.93	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.97	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.34	—	mg/L	—	0.05	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.58	—	mg/L	—	0.05	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.52	—	mg/L	—	0.05	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.11	16.8	pCi/L	67.2	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.9	15.8	pCi/L	39.4	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.9	23	pCi/L	53.3	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.6	18.5	pCi/L	31.9	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.7	15.3	pCi/L	40	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.5	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	54.3	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	58.1	—	mg/L	—	0.053	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.3	—	mg/L	—	0.053	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.5	—	mg/L	—	0.053	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.8	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.9	—	mg/L	—	0.1	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.8	—	mg/L	—	0.1	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.2	—	mg/L	—	0.1	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.06	1.21	pCi/L	5.08	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.98	0.627	pCi/L	3.45	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.123	1.4	pCi/L	4.71	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.562	0.728	pCi/L	2.65	—	Y	U	U	2016-2135	CALA-16-124861	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.35	1.21	pCi/L	4.66	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	400	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	404	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	430	—	uS/cm	—	1	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	360	—	uS/cm	—	3.63	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	348	—	uS/cm	—	3.63	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	238	—	µg/L	—	1	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	215	—	µg/L	—	1	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	222	—	µg/L	—	1	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	228	—	µg/L	—	1	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	180	—	µg/L	—	1	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.125	pCi/L	0.482	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.348	0.107	pCi/L	0.496	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.139	0.124	pCi/L	0.43	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00983	0.133	pCi/L	0.497	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.169	0.12	pCi/L	0.478	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	31.7	—	mg/L	—	1.33	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.1	—	mg/L	—	0.665	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	24.5	—	mg/L	—	0.665	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.6	—	mg/L	—	1.33	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.2	—	mg/L	—	0.665	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	274	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	297	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	241	—	mg/L	—	3.4	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	281	—	mg/L	—	3.4	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	mg/L	—	3.4	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.131	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0539	—	mg/L	—	0.033	Y	J	J	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	mg/L	—	0.033	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.121	—	mg/L	—	0.033	Y	—	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.143	—	mg/L	—	0.033	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.992	—	mg/L	—	0.33	Y	J	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.34	—	mg/L	—	0.33	Y	—	NQ	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.27	—	mg/L	—	0.33	Y	—	NQ	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.24	—	mg/L	—	0.33	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.12	—	mg/L	—	0.33	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	96.302	14.579	pCi/L	2.991	—	Y	—	NQ	N3B-2019-3350	CALA-19-185302	ARSL
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	117.950	17.828	pCi/L	3.137	—	Y	—	J-	N3B-2018-3982	CALA-18-160760	ARSL
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	141	50.4	pCi/L	160	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	49	56.6	pCi/L	193	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	124	50.5	pCi/L	159	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	1.76	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.48	—	µg/L	—	0.067	Y	—	J+	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.36	—	µg/L	—	0.067	Y	—	NQ	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.09	—	µg/L	—	0.067	Y	—	NQ	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.13	—	µg/L	—	0.067	Y	—	NQ	2015-2314	CALA-15-104019	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.982	0.0714	pCi/L	0.0951	—	Y	—	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.68	0.206	pCi/L	0.65	—	Y	—	NQ	N3B-2018-3938	CALA-18-160760	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.01	0.0709	pCi/L	0.0916	—	Y	—	NQ	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.813	0.0417	pCi/L	0.0767	—	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.871	0.0411	pCi/L	0.08	—	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0425	0.0175	pCi/L	0.0713	—	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.539	0.134	pCi/L	0.617	—	Y	U	U	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0875	0.0267	pCi/L	0.0978	—	Y	U	U	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.023	0.00988	pCi/L	0.0735	—	Y	U	U	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0351	0.00965	pCi/L	0.0564	—	Y	U	U	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.496	0.0504	pCi/L	0.0638	—	Y	—	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/21/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.852	0.139	pCi/L	0.448	—	Y	—	NQ	N3B-2018-3938	CALA-18-160760	GELC
TA-53i	600.0	09/25/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.479	0.0498	pCi/L	0.0886	—	Y	—	NQ	2017-2902	CALA-17-144818	GELC
TA-53i	600.0	08/22/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.365	0.0281	pCi/L	0.0766	—	Y	—	NQ	2016-2135	CALA-16-124861	GELC
TA-53i	600.0	09/08/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.347	0.0262	pCi/L	0.0741	—	Y	—	NQ	2015-2314	CALA-15-103997	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.68	—	µg/L	—	3.3	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/21/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.6	—	µg/L	—	3.3	Y	J	J	N3B-2018-3938	CALA-18-160759	GELC
TA-53i	600.0	09/25/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	µg/L	—	3.3	Y	U	U	2017-2902	CALA-17-144811	GELC
TA-53i	600.0	08/22/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	µg/L	—	3.3	Y	U	U	2016-2135	CALA-16-124877	GELC
TA-53i	600.0	09/08/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.93	—	µg/L	—	3.3	Y	J	J	2015-2314	CALA-15-104019	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	1.51	—	µg/L	—	1.5	Y	J	J	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	µg/L	—	1.5	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	µg/L	—	1.5	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	UH	UJ	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	U	U	2015-2324	CALA-15-103989	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	SU	—	0.01	Y	H	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	SU	—	0.01	Y	H	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	SU	—	0.01	Y	H	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	SU	—	0.01	Y	H	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	SU	—	0.01	Y	H	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.6	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.3	—	mg/L	—	1.45	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68	—	mg/L	—	1.45	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.3	—	mg/L	—	1.45	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.015	0.0103	pCi/L	0.0254	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00227	0.0068	pCi/L	0.0454	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00544	0.00479	pCi/L	0.0318	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00208	0.00751	pCi/L	0.0483	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00643	0.00773	pCi/L	0.0352	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.76	—	µg/L	—	2	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.63	—	µg/L	—	2	Y	J	J	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.1	—	µg/L	—	1.7	Y	J	J	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.46	—	µg/L	—	1.7	Y	J	J	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.4	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17	—	µg/L	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17	—	µg/L	—	1	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17.2	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.5	—	µg/L	—	1	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.3	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.7	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.6	—	mg/L	—	0.05	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	14.1	—	mg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.2	—	mg/L	—	0.05	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.868	1.16	pCi/L	4.62	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.03	0.76	pCi/L	2.5	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.338	1.26	pCi/L	4.51	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.549	0.892	pCi/L	3.38	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.22	1.42	pCi/L	4.39	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	mg/L	—	0.067	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.84	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	mg/L	—	0.067	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.83	—	mg/L	—	0.067	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.86	—	mg/L	—	0.067	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	—	µg/L	—	3	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.57	—	µg/L	—	3	Y	J	J	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.1	—	µg/L	—	3	Y	J	J	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.63	—	µg/L	—	3	Y	J	J	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.37	—	µg/L	—	2	Y	J	J	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.91	1.01	pCi/L	5.1	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.264	0.72	pCi/L	2.76	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.82	2.35	pCi/L	6.87	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.525	1.14	pCi/L	3.61	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.719	0.807	pCi/L	3.43	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.46	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.313	—	mg/L	—	0.033	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	mg/L	—	0.033	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.303	—	mg/L	—	0.033	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.53	0.785	pCi/L	2.96	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.081	0.544	pCi/L	2.39	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.35	1.09	pCi/L	2.76	—	Y	—	NQ	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.000484	0.334	pCi/L	1.21	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.25	0.345	pCi/L	0.751	—	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.477	0.815	pCi/L	2.82	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.13	0.835	pCi/L	2.79	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	30.5	1.9	pCi/L	2.14	—	Y	—	NQ	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.309	0.778	pCi/L	2.81	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.25	0.827	pCi/L	2.6	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.6	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.7	—	mg/L	—	0.453	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.8	—	mg/L	—	0.453	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.6	—	mg/L	—	0.453	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	54.8	—	µg/L	—	30	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	—	µg/L	—	30	Y	U	U	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	—	µg/L	—	30	Y	U	U	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	µg/L	—	30	Y	U	U	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	100	—	µg/L	—	30	Y	U	U	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.92	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.72	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.8	—	mg/L	—	0.11	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.78	—	mg/L	—	0.11	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.56	—	mg/L	—	0.11	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.66	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.73	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.72	—	µg/L	—	0.2	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.9	—	µg/L	—	0.3	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.73	—	µg/L	—	0.165	Y	—	NQ	2016-2159	CALA-16-124869	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.73	2.01	pCi/L	8.35	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.182	1.66	pCi/L	6.15	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.79	2.55	pCi/L	10.1	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.95	2.01	pCi/L	6.37	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.412	1.55	pCi/L	5.18	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.256	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.253	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.303	—	mg/L	—	0.017	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.24	—	mg/L	—	0.017	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.268	—	mg/L	—	0.017	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.299	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.322	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.297	—	µg/L	—	0.05	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.294	—	µg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.296	—	µg/L	—	0.05	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00908	0.00786	pCi/L	0.0397	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00494	0.00494	pCi/L	0.0317	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00322	0.0125	pCi/L	0.0558	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0034	0.017	pCi/L	0.0615	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00425	0.00521	pCi/L	0.0374	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0159	0.0104	pCi/L	0.0429	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0198	0.00924	pCi/L	0.0501	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0161	0.0107	pCi/L	0.0724	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0136	0.0118	pCi/L	0.0511	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00212	0.00475	pCi/L	0.0469	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.18	—	mg/L	—	0.05	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.08	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.17	—	mg/L	—	0.05	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.15	—	mg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.19	—	mg/L	—	0.05	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.54	17.4	pCi/L	71.1	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.9	13.4	pCi/L	48.3	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.23	19.9	pCi/L	80.7	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.84	20.7	pCi/L	34.7	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	14.8	pCi/L	23.8	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.2	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.5	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74	—	mg/L	—	0.053	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.6	—	mg/L	—	0.053	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.3	—	mg/L	—	0.053	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.75	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.41	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.9	—	mg/L	—	0.1	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.37	—	mg/L	—	0.1	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.87	—	mg/L	—	0.1	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.413	1.16	pCi/L	4.54	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.15	0.852	pCi/L	3.35	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.141	1.29	pCi/L	5.08	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0143	0.857	pCi/L	3.15	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.333	0.775	pCi/L	2.94	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	117	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	210	—	uS/cm	—	1	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	—	uS/cm	—	1	Y	—	NQ	2017-1263	CALA-17-130491	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	133	—	uS/cm	—	3.63	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.5	—	µg/L	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.1	—	µg/L	—	1	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	59.1	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.5	—	µg/L	—	1	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.142	0.119	pCi/L	0.493	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.018	0.133	pCi/L	0.478	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.131	0.12	pCi/L	0.487	—	Y	U	U	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.282	0.108	pCi/L	0.454	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00159	0.091	pCi/L	0.31	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.15	—	mg/L	—	0.133	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.24	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.25	—	mg/L	—	0.133	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.29	—	mg/L	—	0.133	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.23	—	mg/L	—	0.133	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2857	CALA-17-144813	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	—	mg/L	—	3.4	Y	—	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	mg/L	—	3.4	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	mg/L	—	3.4	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	mg/L	—	3.4	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.347	—	mg/L	—	0.33	Y	J	J	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	mg/L	—	0.33	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.474	—	mg/L	—	0.33	Y	J	J	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0789	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0672	—	mg/L	—	0.02	Y	—	U	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0331	—	mg/L	—	0.02	Y	J	U	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0333	—	mg/L	—	0.02	Y	J	J	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0506	—	mg/L	—	0.02	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.834	0.939	pCi/L	2.932	—	Y	U	U	N3B-2019-3262	CALA-19-185305	ARSL
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.814	0.824	pCi/L	2.816	—	Y	U	U	N3B-2018-3919	CALA-18-160765	ARSL
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.326	0.55	pCi/L	1.84	—	Y	U	U	2017-2873	CALA-17-144813	ARSL
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-140	47.6	pCi/L	190	—	Y	U	U	2016-2159	CALA-16-124853	GELC
R-6	1205.0	03/01/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-27.7	44.1	pCi/L	166	—	Y	U	U	2016-824	CALA-16-110553	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.307	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.274	—	µg/L	—	0.067	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	µg/L	—	0.067	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.297	—	µg/L	—	0.067	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.176	0.0318	pCi/L	0.0852	—	Y	—	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.367	0.0437	pCi/L	0.131	—	Y	—	NQ	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.329	0.0462	pCi/L	0.0955	—	Y	—	NQ	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.275	0.0248	pCi/L	0.104	—	Y	—	NQ	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.357	0.03	pCi/L	0.0862	—	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0000544	0.00905	pCi/L	0.0638	—	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0732	0.0213	pCi/L	0.125	—	Y	U	U	N3B-2018-3815	CALA-18-160765	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.173	0.033	pCi/L	0.102	—	Y	—	NQ	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0618	0.0134	pCi/L	0.089	—	Y	U	U	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0974	0.0181	pCi/L	0.0826	—	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0858	0.0204	pCi/L	0.0571	—	Y	—	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	09/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.187	0.0312	pCi/L	0.091	—	Y	—	NQ	N3B-2018-3815	CALA-18-160765	GELC
R-6	1205.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.18	0.0349	pCi/L	0.0923	—	Y	—	NQ	2017-2857	CALA-17-144813	GELC
R-6	1205.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.152	0.0183	pCi/L	0.104	—	Y	—	NQ	2017-1263	CALA-17-130495	GELC
R-6	1205.0	08/23/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.19	0.022	pCi/L	0.0861	—	Y	—	NQ	2016-2159	CALA-16-124853	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.43	—	µg/L	—	1	Y	—	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.38	—	µg/L	—	1	Y	—	NQ	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.57	—	µg/L	—	1	Y	—	NQ	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.18	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.05	—	µg/L	—	1	Y	—	NQ	2016-2159	CALA-16-124869	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.6	—	µg/L	—	3.3	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	09/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	8.61	—	µg/L	—	3.3	Y	J	U	N3B-2018-3815	CALA-18-160764	GELC
R-6	1205.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	µg/L	—	3.3	Y	U	U	2017-2857	CALA-17-144806	GELC
R-6	1205.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10	—	µg/L	—	3.3	Y	U	U	2017-1263	CALA-17-130491	GELC
R-6	1205.0	08/23/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.53	—	µg/L	—	3.3	Y	J	J	2016-2159	CALA-16-124869	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	5.04	—	µg/L	—	1.5	Y	J	J	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	µg/L	—	1.5	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	µg/L	—	1.5	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	UH	UJ	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/10/2015	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	µg/L	—	3	Y	UH	UJ	2015-2328	CALA-15-103990	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.48	—	SU	—	0.01	Y	H	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.31	—	SU	—	0.01	Y	H	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.36	—	SU	—	0.01	Y	H	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.15	—	SU	—	0.01	Y	H	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	SU	—	0.01	Y	H	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.78	—	mg/L	—	1.45	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	mg/L	—	1.45	Y	U	U	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2	—	mg/L	—	1.45	Y	J	J	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	mg/L	—	1.45	Y	U	U	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	mg/L	—	0.725	Y	U	U	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	mg/L	—	1.45	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.2	—	mg/L	—	1.45	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	mg/L	—	0.725	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0202	0.00856	pCi/L	0.0273	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00489	0.00691	pCi/L	0.0489	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00452	0.0096	pCi/L	0.0397	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.004	0.00632	pCi/L	0.0464	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00412	0.00505	pCi/L	0.0478	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00394	0.00881	pCi/L	0.0323	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.16	—	µg/L	—	2	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.14	—	µg/L	—	2	Y	J	J	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2	—	µg/L	—	2	Y	U	U	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.72	—	µg/L	—	1.7	Y	J	J	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	µg/L	—	1.7	Y	U	U	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.4	—	µg/L	—	1	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	14.4	—	µg/L	—	1	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.3	—	µg/L	—	1	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.7	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130492	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.8	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	12.8	—	µg/L	—	1	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.58	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.97	—	mg/L	—	0.05	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.76	—	mg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.63	—	mg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.1	—	mg/L	—	0.05	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.73	1.37	pCi/L	4.84	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.894	0.531	pCi/L	1.74	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.421	1.2	pCi/L	4.65	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.841	0.862	pCi/L	3.36	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.69	1.12	pCi/L	4.46	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.83	1.39	pCi/L	4.73	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.31	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.32	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.26	—	mg/L	—	0.067	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.34	—	mg/L	—	0.067	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.33	—	mg/L	—	0.067	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.307	1.37	pCi/L	5	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.209	0.582	pCi/L	1.85	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.1	1.04	pCi/L	4.94	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.486	0.853	pCi/L	3.11	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.45	1.19	pCi/L	3.6	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0641	1.59	pCi/L	6.93	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.391	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.381	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	mg/L	—	0.033	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.254	—	mg/L	—	0.033	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.32	—	mg/L	—	0.033	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.94	0.933	pCi/L	2.84	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.674	0.772	pCi/L	2.9	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.22	0.824	pCi/L	2.72	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.03	0.335	pCi/L	1.02	—	Y	—	NQ	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.319	0.31	pCi/L	1.18	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	RE	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.729	0.475	pCi/L	1.57	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	19.6	2.2	pCi/L	2.87	—	N	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.82	0.797	pCi/L	2.56	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.27	0.609	pCi/L	1.97	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.58	0.623	pCi/L	1.87	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.803	0.719	pCi/L	2.42	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.452	0.845	pCi/L	2.9	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.01	0.841	pCi/L	2.57	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.2	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.7	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36	—	mg/L	—	0.453	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.7	—	mg/L	—	0.453	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.6	—	mg/L	—	0.453	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.9	—	mg/L	—	0.453	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.75	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.66	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.7	—	mg/L	—	0.11	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.51	—	mg/L	—	0.11	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.56	—	mg/L	—	0.11	Y	—	NQ	2017-1263	CALA-17-130500	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.6	—	mg/L	—	0.11	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.497	—	µg/L	—	0.2	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.543	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.556	—	µg/L	—	0.2	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.701	—	µg/L	—	0.3	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.68	—	µg/L	—	0.3	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.856	—	µg/L	—	0.3	Y	—	J	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.02	1.9	pCi/L	7.47	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.62	1.23	pCi/L	3.46	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.23	2.54	pCi/L	8.25	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.38	1.92	pCi/L	6.64	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0229	1.91	pCi/L	7.09	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.285	3.4	pCi/L	11.9	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.143	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.147	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.153	—	mg/L	—	0.017	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.14	—	mg/L	—	0.017	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.142	—	mg/L	—	0.017	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.138	—	mg/L	—	0.017	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.221	—	µg/L	—	0.05	Y	—	J-	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.21	—	µg/L	—	0.05	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.196	—	µg/L	—	0.05	Y	J	J	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.211	—	µg/L	—	0.05	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00000000269	0.00922	pCi/L	0.0404	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00841	0.0111	pCi/L	0.0269	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0356	0.0197	pCi/L	0.0561	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0128	0.00782	pCi/L	0.0577	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0168	0.0172	pCi/L	0.0505	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0059	0.0059	pCi/L	0.0518	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00461	0.0108	pCi/L	0.0435	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0147	0.0101	pCi/L	0.0426	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0194	0.0171	pCi/L	0.0727	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00957	0.0115	pCi/L	0.048	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00838	0.0108	pCi/L	0.0421	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0147	0.0135	pCi/L	0.0651	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.07	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.11	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.14	—	mg/L	—	0.05	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.18	—	mg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.19	—	mg/L	—	0.05	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.13	—	mg/L	—	0.05	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18	13.6	pCi/L	52.4	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.7	11.6	pCi/L	15.3	—	Y	UI	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.42	16.4	pCi/L	70.1	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.8	16.1	pCi/L	50.1	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-18.1	14	pCi/L	43.6	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.2	26.9	pCi/L	115	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.1	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.5	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.8	—	mg/L	—	0.053	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.7	—	mg/L	—	0.053	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.4	—	mg/L	—	0.053	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.4	—	mg/L	—	0.053	Y	—	NQ	2016-2254	CALA-16-124870	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	—	mg/L	—	0.1	Y	N	J-	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.8	—	mg/L	—	0.1	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.2	—	mg/L	—	0.1	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.4	—	mg/L	—	0.1	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	—	mg/L	—	0.1	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.06	1.17	pCi/L	2.8	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.127	0.537	pCi/L	1.9	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.54	1.13	pCi/L	0.917	—	Y	UI	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.333	0.735	pCi/L	3.04	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.824	1.02	pCi/L	4.29	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.95	1.56	pCi/L	4.18	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	103	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	uS/cm	—	1	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	112	—	uS/cm	—	3.63	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	uS/cm	—	3.63	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.3	—	µg/L	—	1	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	53.3	—	µg/L	—	1	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.5	—	µg/L	—	1	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	54.7	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.7	—	µg/L	—	1	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.7	—	µg/L	—	1	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.168	0.128	pCi/L	0.434	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0686	0.139	pCi/L	0.524	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0894	0.139	pCi/L	0.493	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.163	0.109	pCi/L	0.364	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.168	0.106	pCi/L	0.428	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0953	0.0998	pCi/L	0.342	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.58	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.71	—	mg/L	—	0.133	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.83	—	mg/L	—	0.133	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	03/01/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.54	—	mg/L	—	0.133	Y	—	NQ	2016-824	CALA-16-110558	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	deg C	—	—	Y	—	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2856	CALA-17-144814	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	—	mg/L	—	3.4	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	239	—	mg/L	—	3.4	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	246	—	mg/L	—	3.4	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	mg/L	—	3.4	Y	—	J	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.382	—	mg/L	—	0.33	Y	J	J	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	mg/L	—	0.33	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	mg/L	—	0.33	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	mg/L	—	0.33	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0961	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0526	—	mg/L	—	0.02	Y	—	U	N3B-2018-3722	CALA-18-160767	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-64	1285.0	09/19/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0522	—	mg/L	—	0.02	Y	—	U	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0427	—	mg/L	—	0.02	Y	J	J	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0449	—	mg/L	—	0.02	Y	J	J	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	mg/L	—	0.02	Y	U	U	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.784	0.945	pCi/L	2.963	—	Y	U	U	N3B-2019-3262	CALA-19-185308	ARSL
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.471	0.816	pCi/L	2.793	—	Y	U	U	N3B-2018-3766	CALA-18-160768	ARSL
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.381	0.777	pCi/L	2.606	—	Y	U	U	2017-2872	CALA-17-144814	ARSL
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.526	0.777	pCi/L	2.588	—	Y	U	U	2017-1286	CALA-17-130496	ARSL
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.051	0.802	pCi/L	2.733	—	Y	U	U	2017-1286	CALA-17-130499	ARSL
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.157	0.616	pCi/L	2.107	—	Y	U	U	2016-2324	CALA-16-124854	ARSL
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.59	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.645	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.663	—	µg/L	—	0.067	Y	—	NQ	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.69	—	µg/L	—	0.067	Y	—	NQ	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.7	—	µg/L	—	0.067	Y	—	NQ	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.721	—	µg/L	—	0.067	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.487	0.047	pCi/L	0.0838	—	Y	—	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.506	0.0579	pCi/L	0.18	—	Y	—	J	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.591	0.0395	pCi/L	0.0537	—	Y	—	NQ	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.563	0.0365	pCi/L	0.12	—	Y	—	NQ	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.468	0.0352	pCi/L	0.135	—	Y	—	NQ	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.527	0.036	pCi/L	0.0837	—	Y	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00795	0.012	pCi/L	0.0628	—	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00763	0.015	pCi/L	0.171	—	Y	U	U	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0219	0.0144	pCi/L	0.0571	—	Y	U	U	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.022	0.011	pCi/L	0.103	—	Y	U	U	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0248	0.0116	pCi/L	0.116	—	Y	U	U	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0223	0.0111	pCi/L	0.0802	—	Y	U	U	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.169	0.0295	pCi/L	0.0562	—	Y	—	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	09/04/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.234	0.0392	pCi/L	0.125	—	Y	—	NQ	N3B-2018-3722	CALA-18-160768	GELC
R-64	1285.0	09/19/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.302	0.0284	pCi/L	0.0519	—	Y	—	NQ	2017-2856	CALA-17-144814	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.287	0.0258	pCi/L	0.121	—	Y	—	NQ	2017-1263	CALA-17-130496	GELC
R-64	1285.0	03/23/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.225	0.024	pCi/L	0.136	—	Y	—	NQ	2017-1263	CALA-17-130499	GELC
R-64	1285.0	08/29/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.252	0.0255	pCi/L	0.0836	—	Y	—	NQ	2016-2254	CALA-16-124854	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.3	—	µg/L	—	1	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	09/04/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.51	—	µg/L	—	1	Y	J	J	N3B-2018-3722	CALA-18-160767	GELC
R-64	1285.0	09/19/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.42	—	µg/L	—	1	Y	J	J	2017-2856	CALA-17-144807	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.56	—	µg/L	—	1	Y	J	J	2017-1263	CALA-17-130492	GELC
R-64	1285.0	03/23/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.06	—	µg/L	—	1	Y	J	J	2017-1263	CALA-17-130500	GELC
R-64	1285.0	08/29/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.07	—	µg/L	—	1	Y	—	NQ	2016-2254	CALA-16-124870	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	SU	—	0.01	Y	H	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	SU	—	0.01	Y	H	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	SU	—	0.01	Y	H	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	SU	—	0.01	Y	H	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	SU	—	0.01	Y	H	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	SU	—	0.01	Y	H	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.93	—	SU	—	0.01	Y	H	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	SU	—	0.01	Y	H	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.8	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.8	—	mg/L	—	1.45	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88	—	mg/L	—	1.45	Y	—	NQ	2017-2930	CALA-17-144808	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88	—	mg/L	—	1.45	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87.3	—	mg/L	—	1.45	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00851	0.00998	pCi/L	0.0288	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.002	0.00957	pCi/L	0.027	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00225	0.00675	pCi/L	0.045	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00774	0.00724	pCi/L	0.0387	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0304	0.0373	pCi/L	0.133	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0018	0.0109	pCi/L	0.0315	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0182	0.0089	pCi/L	0.0453	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00501	0.00792	pCi/L	0.0411	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0896	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0255	—	mg/L	—	0.017	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0527	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0348	—	mg/L	—	0.017	Y	J	J	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.075	—	mg/L	—	0.017	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	mg/L	—	0.017	Y	U	U	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0567	—	mg/L	—	0.017	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0596	—	mg/L	—	0.017	Y	—	U	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.67	—	µg/L	—	2	Y	J	J	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.84	—	µg/L	—	2	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.41	—	µg/L	—	2	Y	J	J	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	3.08	—	µg/L	—	2	Y	J	J	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	2.2	—	µg/L	—	2	Y	J	J	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.55	—	µg/L	—	2	Y	J	J	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.81	—	µg/L	—	1.7	Y	J	J	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.7	—	µg/L	—	1.7	Y	J	J	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.8	—	µg/L	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.5	—	µg/L	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26.1	—	µg/L	—	1	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	27.1	—	µg/L	—	1	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.7	—	µg/L	—	1	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.2	—	µg/L	—	1	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.1	—	µg/L	—	1	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.1	—	µg/L	—	1	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.7	—	µg/L	—	15	Y	J	J	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	37.6	—	µg/L	—	15	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	33	—	µg/L	—	15	Y	J	J	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	33.5	—	µg/L	—	15	Y	J	J	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	34.9	—	µg/L	—	15	Y	J	J	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	33.5	—	µg/L	—	15	Y	J	J	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.6	—	µg/L	—	15	Y	J	J	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37	—	µg/L	—	15	Y	J	J	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.6	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.1	—	mg/L	—	0.05	Y	E	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.6	—	mg/L	—	0.05	Y	E	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	mg/L	—	0.05	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	—	mg/L	—	0.05	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17	—	mg/L	—	0.05	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	—	mg/L	—	0.05	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.59	1.29	pCi/L	5.15	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.06	1.34	pCi/L	5.05	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.79	1.17	pCi/L	4.67	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.92	0.873	pCi/L	4.58	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.21	1.03	pCi/L	4.22	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3	1.37	pCi/L	4.21	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.254	0.997	pCi/L	3.47	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.28	1.51	pCi/L	5.34	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.65	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.6	—	mg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.55	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.45	—	mg/L	—	0.067	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.45	—	mg/L	—	0.067	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.77	—	mg/L	—	0.067	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.51	—	mg/L	—	0.067	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.54	—	µg/L	—	3	Y	J	J	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.52	—	µg/L	—	3	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.53	—	µg/L	—	3	Y	J	J	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.17	—	µg/L	—	3	Y	J	J	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.2	—	µg/L	—	3	Y	J	J	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.1	—	µg/L	—	3	Y	J	J	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.23	—	µg/L	—	3	Y	J	J	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.37	—	µg/L	—	3	Y	J	J	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.311	1.13	pCi/L	4.7	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.602	1.65	pCi/L	6.74	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.401	1.07	pCi/L	4.13	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.991	0.94	pCi/L	4.06	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.37	1.17	pCi/L	4.45	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.54	0.878	pCi/L	4.72	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.389	1.13	pCi/L	3.55	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.612	1.16	pCi/L	4.82	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.532	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.531	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.328	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.349	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.239	—	mg/L	—	0.033	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	—	mg/L	—	0.033	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.342	—	mg/L	—	0.033	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	mg/L	—	0.033	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.702	0.78	pCi/L	2.93	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.62	0.895	pCi/L	2.87	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.27	0.75	pCi/L	2.94	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.27	0.877	pCi/L	2.95	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.56	0.817	pCi/L	2.38	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.75	0.938	pCi/L	2.88	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.732	0.701	pCi/L	2.84	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.07	0.476	pCi/L	1.54	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.74	0.82	pCi/L	2.49	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.1	0.875	pCi/L	2.92	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.84	0.619	pCi/L	1.83	—	Y	—	NQ	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.46	0.695	pCi/L	1.73	—	Y	—	NQ	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.34	0.801	pCi/L	2.64	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.51	0.909	pCi/L	2.81	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.48	0.793	pCi/L	2.6	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.15	0.876	pCi/L	2.57	—	Y	—	J	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.7	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	63.9	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.8	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	61	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	N	4.53	—	mg/L	—	4.53	Y	U	U	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.1	—	mg/L	—	0.453	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.3	—	mg/L	—	0.453	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.6	—	mg/L	—	0.453	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.95	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.83	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.52	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.73	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.03	—	mg/L	—	0.11	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.97	—	mg/L	—	0.11	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.81	—	mg/L	—	0.11	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	mg/L	—	0.11	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.59	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.5	—	µg/L	—	0.2	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.45	—	µg/L	—	0.2	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.52	—	µg/L	—	0.3	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.46	—	µg/L	—	0.3	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.97	2.27	pCi/L	8.73	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.01	2.07	pCi/L	8.3	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.758	2.49	pCi/L	8.9	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.1	2.04	pCi/L	7.66	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.614	2.46	pCi/L	8.21	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.66	2.64	pCi/L	8.07	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.74	1.8	pCi/L	6.1	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.17	2.09	pCi/L	7.45	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.651	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.651	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.613	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.613	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.665	—	mg/L	—	0.017	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.667	—	mg/L	—	0.017	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.611	—	mg/L	—	0.017	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.613	—	mg/L	—	0.017	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.5	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.511	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.481	—	µg/L	—	0.05	Y	—	J+	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.519	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.536	—	µg/L	—	0.05	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.532	—	µg/L	—	0.05	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.529	—	µg/L	—	0.05	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.506	—	µg/L	—	0.05	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00676	pCi/L	0.0418	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00259	0.0107	pCi/L	0.0453	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00842	0.0115	pCi/L	0.027	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00923	0.0126	pCi/L	0.0296	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00719	0.00719	pCi/L	0.0415	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0044	0.00696	pCi/L	0.0381	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00654	0.00723	pCi/L	0.0395	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00685	0.00757	pCi/L	0.0401	—	Y	U	U	2016-2284	CALA-16-124855	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00239	0.00716	pCi/L	0.0451	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0207	0.0103	pCi/L	0.0489	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0105	0.0101	pCi/L	0.0427	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00923	0.0103	pCi/L	0.0468	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0263	0.0115	pCi/L	0.0538	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.022	0.00823	pCi/L	0.0494	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00436	0.00689	pCi/L	0.0431	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00456	0.00912	pCi/L	0.0503	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.19	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.14	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.95	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.02	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.15	—	mg/L	—	0.05	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.11	—	mg/L	—	0.05	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.15	—	mg/L	—	0.05	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.22	—	mg/L	—	0.05	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.13	21	pCi/L	41.4	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-21.9	21.4	pCi/L	78.9	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36.3	20.8	pCi/L	45.8	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	22.8	13.4	pCi/L	57.3	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	15	19.7	pCi/L	39.5	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.1	17.8	pCi/L	9.48	—	Y	UI	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.17	13.4	pCi/L	46.6	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.36	13.9	pCi/L	57.5	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.3	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.1	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.7	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.8	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.7	—	mg/L	—	0.053	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.6	—	mg/L	—	0.053	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72	—	mg/L	—	0.053	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.7	—	mg/L	—	0.053	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	—	mg/L	—	0.1	Y	E	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12	—	mg/L	—	0.1	Y	E	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.7	—	mg/L	—	0.1	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	mg/L	—	0.1	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	mg/L	—	0.1	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.9	—	mg/L	—	0.1	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.294	1.09	pCi/L	4.29	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.59	1.35	pCi/L	5.25	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.7	1.17	pCi/L	4.02	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.287	0.946	pCi/L	3.54	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.57	0.93	pCi/L	3.52	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.151	1.23	pCi/L	4.88	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.317	0.842	pCi/L	2.86	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.98	0.973	pCi/L	4.38	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	188	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	201	—	uS/cm	—	1	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	205	—	uS/cm	—	1	Y	—	NQ	2017-2930	CALA-17-144808	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	uS/cm	—	1	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	—	uS/cm	—	3.63	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73.9	—	µg/L	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.8	—	µg/L	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	65.7	—	µg/L	—	1	Y	E	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	68.4	—	µg/L	—	1	Y	E	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	74.4	—	µg/L	—	1	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.7	—	µg/L	—	1	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73.7	—	µg/L	—	1	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	76.4	—	µg/L	—	1	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.133	0.122	pCi/L	0.422	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.236	0.122	pCi/L	0.487	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.259	0.146	pCi/L	0.481	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0588	0.138	pCi/L	0.481	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0777	0.13	pCi/L	0.436	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.158	0.1	pCi/L	0.464	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0503	0.0798	pCi/L	0.334	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0473	0.139	pCi/L	0.495	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.48	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.58	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.42	—	mg/L	—	0.133	Y	—	J+	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.61	—	mg/L	—	0.133	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.59	—	mg/L	—	0.133	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.96	—	mg/L	—	0.133	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.52	—	mg/L	—	0.133	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2930	CALA-17-144815	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	mg/L	—	3.4	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	mg/L	—	3.4	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	mg/L	—	3.4	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	mg/L	—	3.4	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	—	mg/L	—	3.4	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0814	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0811	—	mg/L	—	0.02	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0378	—	mg/L	—	0.02	Y	J	U	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0357	—	mg/L	—	0.02	Y	J	U	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.438	—	mg/L	—	0.02	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.448	—	mg/L	—	0.02	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0213	—	mg/L	—	0.02	Y	J	J	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	mg/L	—	0.02	Y	U	U	2016-2284	CALA-16-124871	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.587	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.591	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.664	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.67	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.682	—	µg/L	—	0.067	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.666	—	µg/L	—	0.067	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.61	—	µg/L	—	0.067	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.704	—	µg/L	—	0.067	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.428	0.0489	pCi/L	0.0987	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.437	0.0523	pCi/L	0.111	—	Y	—	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.326	0.0515	pCi/L	0.174	—	Y	—	NQ	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.49	0.0454	pCi/L	0.111	—	Y	—	NQ	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.492	0.038	pCi/L	0.0581	—	Y	—	NQ	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.617	0.0478	pCi/L	0.0751	—	Y	—	NQ	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.552	0.0362	pCi/L	0.0727	—	Y	—	NQ	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.5	0.0352	pCi/L	0.0881	—	Y	—	NQ	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0126	0.0114	pCi/L	0.074	—	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0281	0.0203	pCi/L	0.0828	—	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.026	0.0198	pCi/L	0.166	—	Y	U	U	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0521	0.0176	pCi/L	0.105	—	Y	U	U	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0543	0.0152	pCi/L	0.0619	—	Y	U	U	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0745	0.0219	pCi/L	0.0799	—	Y	U	U	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0479	0.0129	pCi/L	0.0576	—	Y	U	U	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00586	0.00717	pCi/L	0.0844	—	Y	U	U	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.184	0.0318	pCi/L	0.0662	—	Y	—	NQ	N3B-2019-3284	CALA-19-185310	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.243	0.0387	pCi/L	0.0741	—	Y	—	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.148	0.032	pCi/L	0.121	—	Y	—	NQ	N3B-2018-3908	CALA-18-160771	GELC
R-66	819.4	09/18/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.232	0.0314	pCi/L	0.0766	—	Y	—	NQ	N3B-2018-3908	CALA-18-160773	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.228	0.0265	pCi/L	0.0562	—	Y	—	NQ	2017-2930	CALA-17-143821	GELC
R-66	819.4	09/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.298	0.0329	pCi/L	0.0726	—	Y	—	NQ	2017-2930	CALA-17-144815	GELC
R-66	819.4	03/28/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.224	0.0233	pCi/L	0.0532	—	Y	—	NQ	2017-1280	CALA-17-130497	GELC
R-66	819.4	08/30/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.275	0.026	pCi/L	0.088	—	Y	—	NQ	2016-2284	CALA-16-124855	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.8	—	µg/L	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.6	—	µg/L	—	1	Y	—	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	09/18/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	10.7	—	µg/L	—	1	Y	—	NQ	N3B-2018-3908	CALA-18-160770	GELC
R-66	819.4	09/18/2018	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.2	—	µg/L	—	1	Y	—	NQ	N3B-2018-3908	CALA-18-160772	GELC
R-66	819.4	09/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.8	—	µg/L	—	1	Y	—	NQ	2017-2930	CALA-17-143820	GELC
R-66	819.4	09/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.3	—	µg/L	—	1	Y	—	NQ	2017-2930	CALA-17-144808	GELC
R-66	819.4	03/28/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	10.6	—	µg/L	—	1	Y	—	NQ	2017-1280	CALA-17-130493	GELC
R-66	819.4	08/30/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.2	—	µg/L	—	1	Y	—	NQ	2016-2284	CALA-16-124871	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	SU	—	0.01	Y	H	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.21	—	SU	—	0.01	Y	H	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	SU	—	0.01	Y	H	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	SU	—	0.01	Y	H	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	SU	—	0.01	Y	H	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	mg/L	—	1.45	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	118	—	mg/L	—	1.45	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	mg/L	—	1.45	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	mg/L	—	1.45	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	109	—	mg/L	—	0.725	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.009	0.0124	pCi/L	0.0406	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0115	0.0124	pCi/L	0.0462	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0142	0.00884	pCi/L	0.0327	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0505	0.0266	pCi/L	0.138	—	Y	U	U	2016-2197	CALA-16-124859	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00255	0.00845	pCi/L	0.041	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0175	—	mg/L	—	0.017	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0405	—	mg/L	—	0.017	Y	J	J	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0419	—	mg/L	—	0.017	Y	J	J	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0479	—	mg/L	—	0.017	Y	J	U	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0175	—	mg/L	—	0.017	Y	J	U	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	Y	4.63	—	µg/L	—	2	Y	J	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.24	—	µg/L	—	2	Y	J	J	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.19	—	µg/L	—	2	Y	J	J	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.87	—	µg/L	—	1.7	Y	J	J	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.03	—	µg/L	—	1.7	Y	J	J	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	172	—	µg/L	—	1	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	167	—	µg/L	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	175	—	µg/L	—	1	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	10.1	—	µg/L	—	1	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	176	—	µg/L	—	1	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	44.2	—	µg/L	—	15	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	45.1	—	µg/L	—	15	Y	J	J	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	47.2	—	µg/L	—	15	Y	J	J	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	50	—	µg/L	—	15	Y	U	U	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	49.7	—	µg/L	—	15	Y	J	J	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.3	—	mg/L	—	0.05	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.1	—	mg/L	—	0.05	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	7.11	—	mg/L	—	0.05	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.5	—	mg/L	—	0.05	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0358	1.14	pCi/L	4.47	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2	1.04	pCi/L	2.77	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.139	1.65	pCi/L	6.48	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0228	1.05	pCi/L	3.56	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.14	1.75	pCi/L	6.48	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.1	—	mg/L	—	0.067	Y	—	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.03	—	mg/L	—	0.067	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.97	—	mg/L	—	0.067	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.2	—	mg/L	—	0.067	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.77	—	mg/L	—	0.067	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	Y	3.69	—	µg/L	—	3	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.39	—	µg/L	—	3	Y	J	J	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.39	—	µg/L	—	3	Y	J	J	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.73	—	µg/L	—	2	Y	J	J	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.31	—	µg/L	—	2	Y	J	J	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.94	1.48	pCi/L	6.46	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.627	1.14	pCi/L	4.1	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.28	2.18	pCi/L	7.75	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.1	1.88	pCi/L	4.13	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0085	1.18	pCi/L	4.68	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	—	mg/L	—	0.033	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.384	—	mg/L	—	0.033	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	mg/L	—	0.033	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.205	—	mg/L	—	0.033	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.26	—	mg/L	—	0.033	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.69	0.786	pCi/L	2.92	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.5	1.12	pCi/L	2.73	—	Y	—	NQ	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.951	0.811	pCi/L	2.89	—	Y	U	U	2017-2916	CALA-17-144817	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.61	0.461	pCi/L	1.39	—	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.1	0.967	pCi/L	2.91	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.98	0.709	pCi/L	2.13	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.67	0.883	pCi/L	2.6	—	Y	—	NQ	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.8	1.11	pCi/L	2.87	—	Y	—	NQ	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.81	1.06	pCi/L	2.66	—	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.53	0.429	pCi/L	1.24	—	Y	—	NQ	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88	—	mg/L	—	0.453	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	82.2	—	mg/L	—	0.453	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.2	—	mg/L	—	0.453	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	25.9	—	mg/L	—	0.453	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.8	—	mg/L	—	0.453	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.26	—	mg/L	—	0.11	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.63	—	mg/L	—	0.11	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.39	—	mg/L	—	0.11	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.98	—	mg/L	—	0.11	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.95	—	mg/L	—	0.11	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	1.29	—	µg/L	—	0.2	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.34	—	µg/L	—	0.2	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.28	—	µg/L	—	0.2	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	µg/L	—	0.165	Y	—	J	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.38	—	µg/L	—	0.165	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.64	2.52	pCi/L	8.46	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.57	2	pCi/L	6.93	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2	3.73	pCi/L	12.4	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.523	1.87	pCi/L	6.31	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.76	2.77	pCi/L	9.6	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.659	—	mg/L	—	0.017	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.611	—	mg/L	—	0.017	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.78	—	mg/L	—	0.017	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	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	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.83	—	mg/L	—	0.085	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.669	—	µg/L	—	0.05	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.718	—	µg/L	—	0.05	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.919	—	µg/L	—	0.05	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.993	—	µg/L	—	0.1	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	1.05	—	µg/L	—	0.1	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.007	0.0107	pCi/L	0.0409	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0079	0.00739	pCi/L	0.0253	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.004	0.0106	pCi/L	0.0395	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00461	0.0103	pCi/L	0.081	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00479	0.00757	pCi/L	0.048	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.035	0.0134	pCi/L	0.0441	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00987	0.00712	pCi/L	0.0401	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0531	0.0175	pCi/L	0.0515	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00921	0.013	pCi/L	0.102	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00239	0.00987	pCi/L	0.0429	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.98	—	mg/L	—	0.05	Y	—	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.44	—	mg/L	—	0.05	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.67	—	mg/L	—	0.05	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.08	—	mg/L	—	0.05	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.92	—	mg/L	—	0.05	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.6	18.5	pCi/L	74	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.9	14.6	pCi/L	53.1	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-22	27.7	pCi/L	105	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	25.9	18.2	pCi/L	32	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.8	15.9	pCi/L	59.4	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.9	—	mg/L	—	0.053	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.7	—	mg/L	—	0.053	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	mg/L	—	0.053	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.5	—	mg/L	—	0.053	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75	—	mg/L	—	0.053	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.2	—	mg/L	—	0.1	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.1	—	mg/L	—	0.1	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17	—	mg/L	—	0.1	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.26	—	mg/L	—	0.1	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	—	mg/L	—	0.1	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.995	1.51	pCi/L	6.16	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.535	0.87	pCi/L	3.35	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.661	1.49	pCi/L	6.92	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.683	0.868	pCi/L	2.94	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.17	1.37	pCi/L	5.66	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	—	uS/cm	—	1	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	251	—	uS/cm	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	260	—	uS/cm	—	1	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	242	—	uS/cm	—	3.63	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	240	—	uS/cm	—	1	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	—	µg/L	—	1	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	173	—	µg/L	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	174	—	µg/L	—	1	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	63.5	—	µg/L	—	1	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	183	—	µg/L	—	1	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.101	0.133	pCi/L	0.489	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0799	0.133	pCi/L	0.483	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0842	0.12	pCi/L	0.411	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.149	0.124	pCi/L	0.481	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.19	0.116	pCi/L	0.487	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.75	—	mg/L	—	0.133	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.74	—	mg/L	—	0.133	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.08	—	mg/L	—	0.133	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.14	—	mg/L	—	0.133	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.46	—	mg/L	—	0.133	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	deg C	—	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	deg C	—	—	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	deg C	—	—	Y	—	NQ	2017-2916	CALA-17-144817	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	—	mg/L	—	3.4	Y	—	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	193	—	mg/L	—	3.4	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	206	—	mg/L	—	3.4	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	mg/L	—	3.4	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	210	—	mg/L	—	3.4	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.156	1.016	pCi/L	2.858	—	Y	—	NQ	N3B-2019-3350	CALA-19-185316	ARSL
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.806	0.965	pCi/L	3.027	—	Y	U	U	N3B-2018-3919	CALA-18-160777	ARSL
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-59	40.9	pCi/L	151	—	Y	U	U	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-135	45.2	pCi/L	180	—	Y	U	U	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	-11	43.3	pCi/L	160	—	Y	U	U	2015-2345	CALA-15-103995	GELC

Table C-2 Analytical Detects from the Periodic Monitoring Event Reported in this Periodic Monitoring Report Plus Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	Lab Uncertainty	Report Units	MDA	MDL	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	1.67	—	µg/L	—	0.067	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.8	—	µg/L	—	0.067	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.73	—	µg/L	—	0.067	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.67	—	µg/L	—	0.067	Y	—	NQ	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.71	—	µg/L	—	0.067	Y	—	NQ	2015-2345	CALA-15-104017	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.19	0.0718	pCi/L	0.0819	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.2	0.073	pCi/L	0.125	—	Y	—	NQ	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.15	0.052	pCi/L	0.0488	—	Y	—	NQ	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.28	0.0562	pCi/L	0.091	—	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.18	0.0606	pCi/L	0.127	—	Y	—	NQ	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0444	0.0169	pCi/L	0.0613	—	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.051	0.0194	pCi/L	0.119	—	Y	U	U	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0912	0.0185	pCi/L	0.0519	—	Y	—	NQ	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.127	0.021	pCi/L	0.0872	—	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.052	0.0148	pCi/L	0.0894	—	Y	U	U	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.609	0.0512	pCi/L	0.0549	—	Y	—	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	09/17/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.674	0.0554	pCi/L	0.0868	—	Y	—	NQ	N3B-2018-3897	CALA-18-160777	GELC
R-9	683.0	09/26/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.59	0.0376	pCi/L	0.0472	—	Y	—	NQ	2017-2916	CALA-17-144817	GELC
R-9	683.0	08/25/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.7	0.0417	pCi/L	0.0909	—	Y	—	NQ	2016-2197	CALA-16-124859	GELC
R-9	683.0	09/16/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.576	0.0422	pCi/L	0.117	—	Y	—	NQ	2015-2345	CALA-15-103995	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.7	—	µg/L	—	1	Y	—	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	09/17/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11	—	µg/L	—	1	Y	—	NQ	N3B-2018-3897	CALA-18-160776	GELC
R-9	683.0	09/26/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.3	—	µg/L	—	1	Y	—	NQ	2017-2916	CALA-17-144810	GELC
R-9	683.0	08/25/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	N	5	—	µg/L	—	1	Y	U	U	2016-2197	CALA-16-124875	GELC
R-9	683.0	09/16/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.9	—	µg/L	—	1	Y	—	NQ	2015-2345	CALA-15-104017	GELC

Appendix D

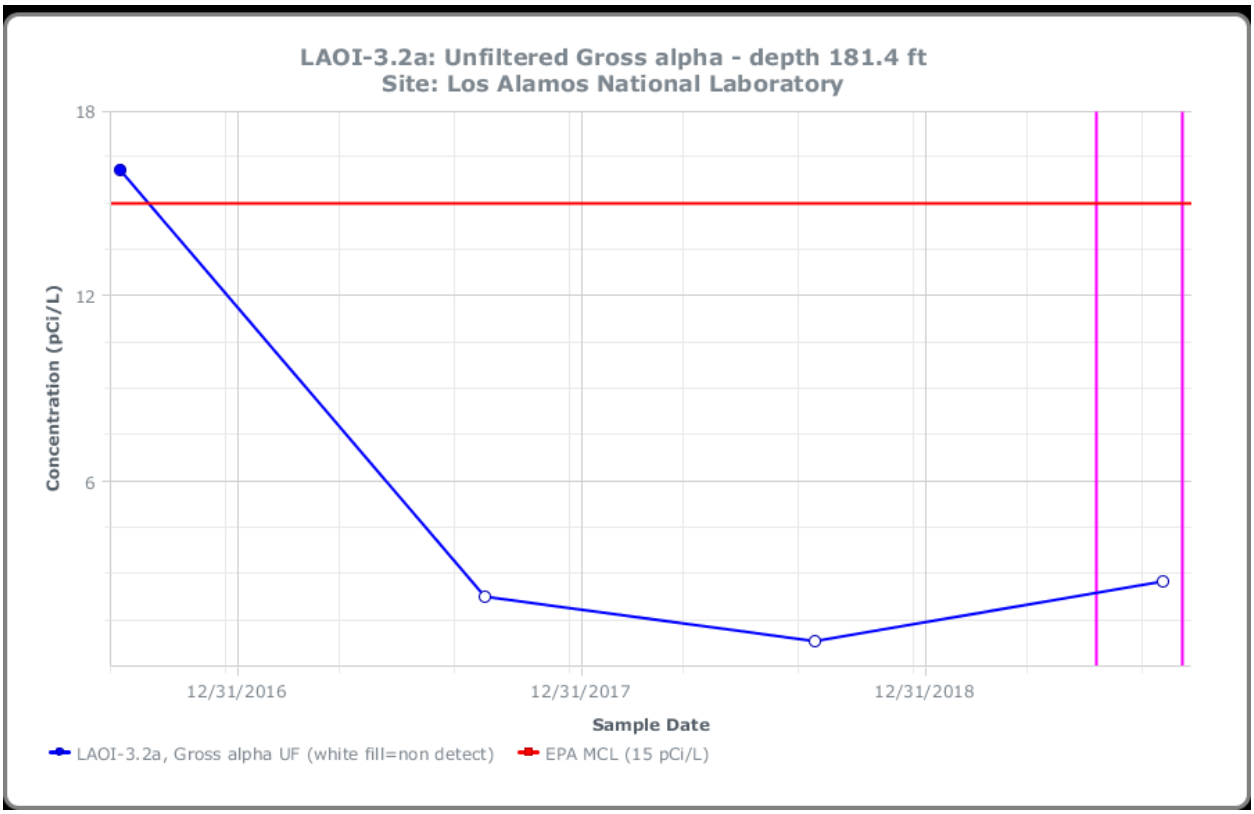
Groundwater Results Greater Than Half of Screening Values

Zone	Location ID	Screen Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Detected	Report Result	Method Detection Limit	Minimum Detectable Activity	Report Units	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Codes	Best Value	Lab Method	Lab ID	Screening Level	Reporting Level Code	Result per Screening Level
Intermediate	LAOI(a)-1.1	295.200	09/10/2019	Rad	Gross alpha	GROSSA	UF[a]	INIT[b]	REG[c]	Y[d]	14.7	—[e]	2.77	pCi/L	1.00	—	NQ[f]	NQ	Y	EPA:900	GELC[g]	15	EPA MCL[h]	0.98
Intermediate	R-6i	602.000	09/09/2019	General chemistry	Fluoride	F(-1)	F[i]	INIT	FD[j]	Y	1.04	0.033	—	mg/L	1.00	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NM GW STD[k]	0.65
Intermediate	R-6i	602.000	09/09/2019	General chemistry	Fluoride	F(-1)	F	INIT	REG	Y	1.04	0.033	—	mg/L	1.00	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NM GW STD	0.65
Intermediate	TA-53i	600.000	09/18/2019	Inorganic	Arsenic	As	F	INIT	REG	Y	5.92	2.00	—	ug/L	1.00	—	NQ	NQ	Y	SW-846:6020A	GELC	10	NM GW STD	0.59

[a] UF = Unfiltered.
[b] INIT = Initial.
[c] REG = Regular.
[d] Y = Yes.
[e] — = None.
[f] NQ = Not qualified.
[g] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[h] EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.
[i] F = Filtered.
j FD = Field duplicate.
[k] NM GW STD = New Mexico Water Quality Control Commission groundwater standard.

Appendix E

Analytical Chemistry Graphs of Results with Screening-Value Exceedances


LAOI-3.2a: Unfiltered Gross alpha - depth 181.4 ft
Site: Los Alamos National Laboratory
18
12
6
Concentration (pCi/L)
12/31/2016
12/31/2017
12/31/2018
Sample Date
LAOI-3.2a, Gross alpha UF (white fill=non detect)
EPA MCL (15 pCi/L)

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2019-3231	Inorganic	GELC[a]	CALA-19-185291	09/05/2019	LAOI-3.2	153.300	162.800
N3B-2019-3231	Inorganic	GELC	CALA-19-185292	09/05/2019	LAOI-3.2	153.300	162.800
N3B-2019-3231	Inorganic	GELC	CALA-19-185308	09/04/2019	R-64	1285.000	1305.500
N3B-2019-3231	Inorganic	GELC	CALA-19-185309	09/04/2019	R-64	1285.000	1305.500
N3B-2019-3231	Organic	GELC	CALA-19-185308	09/04/2019	R-64	1285.000	1305.500
N3B-2019-3231	Rad[b]	GELC	CALA-19-185291	09/05/2019	LAOI-3.2	153.300	162.800
N3B-2019-3231	Rad	GELC	CALA-19-185308	09/04/2019	R-64	1285.000	1305.500
N3B-2019-3247	Inorganic	GELC	CALA-19-185305	09/09/2019	R-6	1205.000	1228.000
N3B-2019-3247	Inorganic	GELC	CALA-19-185306	09/09/2019	R-6	1205.000	1228.000
N3B-2019-3247	Inorganic	GELC	CALA-19-185297	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Inorganic	GELC	CALA-19-185298	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Inorganic	GELC	CALA-19-185300	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Inorganic	GELC	CALA-19-185301	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Organic	GELC	CALA-19-185305	09/09/2019	R-6	1205.000	1228.000
N3B-2019-3247	Organic	GELC	CALA-19-185297	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Organic	GELC	CALA-19-185300	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Rad	GELC	CALA-19-185305	09/09/2019	R-6	1205.000	1228.000
N3B-2019-3247	Rad	GELC	CALA-19-185297	09/09/2019	R-6i	602.000	612.000
N3B-2019-3247	Rad	GELC	CALA-19-185300	09/09/2019	R-6i	602.000	612.000
N3B-2019-3260	Inorganic	GELC	CALA-19-185289	09/10/2019	LAOI(a)-1.1	295.200	305.000
N3B-2019-3260	Inorganic	GELC	CALA-19-185290	09/10/2019	LAOI(a)-1.1	295.200	305.000
N3B-2019-3260	Rad	GELC	CALA-19-185289	09/10/2019	LAOI(a)-1.1	295.200	305.000
N3B-2019-3262	Rad	ARSL[c]	CALA-19-185305	09/09/2019	R-6	1205.000	1228.000
N3B-2019-3262	Rad	ARSL	CALA-19-185308	09/04/2019	R-64	1285.000	1305.500
N3B-2019-3278	Inorganic	GELC	CALA-19-185293	09/11/2019	LAOI-3.2a	181.400	191.000
N3B-2019-3278	Inorganic	GELC	CALA-19-185294	09/11/2019	LAOI-3.2a	181.400	191.000
N3B-2019-3278	Rad	GELC	CALA-19-185293	09/11/2019	LAOI-3.2a	181.400	191.000
N3B-2019-3284	Inorganic	GELC	CALA-19-185310	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Inorganic	GELC	CALA-19-185311	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Inorganic	GELC	CALA-19-185312	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Inorganic	GELC	CALA-19-185313	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Organic	GELC	CALA-19-185310	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Organic	GELC	CALA-19-185312	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Rad	GELC	CALA-19-185310	09/12/2019	R-66	819.4	839.7
N3B-2019-3284	Rad	GELC	CALA-19-185312	09/12/2019	R-66	819.4	839.7
N3B-2019-3296	Inorganic	GELC	CALA-19-185316	09/16/2019	R-9	683.000	748.500
N3B-2019-3296	Inorganic	GELC	CALA-19-185317	09/16/2019	R-9	683.000	748.500
N3B-2019-3296	Rad	GELC	CALA-19-185316	09/16/2019	R-9	683.000	748.500

Chain of Custody	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2019-3325	Inorganic	GELC	CALA-19-185295	09/17/2019	LAOI-7	240.000	259.600
N3B-2019-3325	Inorganic	GELC	CALA-19-185296	09/17/2019	LAOI-7	240.000	259.600
N3B-2019-3325	Rad	GELC	CALA-19-185295	09/17/2019	LAOI-7	240.000	259.600
N3B-2019-3371	Inorganic	GELC	CALA-19-185302	09/18/2019	TA-53i	600.000	610.000
N3B-2019-3371	Inorganic	GELC	CALA-19-185303	09/18/2019	TA-53i	600.000	610.000
N3B-2019-3371	Organic	GELC	CALA-19-185302	09/18/2019	TA-53i	600.000	610.000
N3B-2019-3371	Rad	GELC	CALA-19-185302	09/18/2019	TA-53i	600.000	610.000

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

[b] Rad = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.