EMID-703103

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

EMLA-24-BF134-2-1

February 29, 2024

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NMED Hazardous Waste Bureau

Mr. Rick Shean
Designated Agency Manager
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

Subject: Submittal of the 2024 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed

Dear Mr. Shean:

Enclosed please find two hard copies with electronic files of the "2024 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed."

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

If you have any questions, please contact Amanda White at (505) 309-1366 (amanda.white@em-la.doe.gov) or Hai Shen at (505) 709-7600 (hai.shen@em.doe.gov).

Sincerely,

ARTURO DURAN

Digitally signed by ARTURO DURAN
Date: 2024.02.29 07:06:50 -07'00'

Arturo Q. Duran
Compliance and Permitting Manager
U.S. Department of Energy
Environmental Management
Los Alamos Field Office

Enclosure(s):
1. Two hard copies with electronic files:
   2024 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed (EM2024-0061)

cc (letter with CD/DVD enclosure[s]):
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Richard Carpenter, City of Santa Fe, NM
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February 2024
EM2024-0061

2024 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed

N3B Los Alamos

EM2024-0061

2024 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed

February 2024

Responsible T2S program director:

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Printed Name	Signature	Title	Organization	Date

Responsible N3B program director:

Michael Erickson		Director	Water Program	2/20/24
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Responsible N3B representative:

Troy Thomson		Program Manager	N3B Environmental Remediation Program	2/22/24
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Responsible DOE EM-LA representative:

Arturo Q. Duran	ARTURO DURAN Digitally signed by ARTURO DURAN Date: 2024.02.29 07:07:19 -07'00'	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents validated results for the Newport News Nuclear BWXT-Los Alamos, LLC, groundwater monitoring program for the Technical Area 21 (TA-21) monitoring group 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 2023 Monitoring Year, October 2022–September 2023, Revision 1" (2023 IFGMP) prepared in accordance with the 2016 Compliance Order on Consent.

All active monitoring locations in the TA-21 monitoring group are located within the Los Alamos Canyon watershed, with the exception of one location in the Sandia Canyon watershed and one location in the Pueblo Canyon watershed.

This PMR presents monitoring results for one periodic monitoring event (PME) conducted during the fourth quarter of the 2023 monitoring year, and includes the monitoring of perched-intermediate and regional wells.

In addition to validated results from the current 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 TA-21 PMR preparations.

Groundwater samples collected during the PMEs were analyzed for all or some of the following analytical suites as specified in the 2023 IFGMP: metals, per- and polyfluoroalkyl substances; radionuclides (including tritium and low-level tritium), and general inorganic chemicals (including perchlorate). Additionally, the following field parameters were measured: dissolved oxygen, flow rate (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

Due to delayed turnaround times at the analytical laboratory, low-level tritium laboratory results were not available at the time of this report for all locations within this monitoring group. They will be included in the Intellus New Mexico database website (www.intellusnm.com) as they become available from the laboratory, and will be included in the 2025 TA-21 PMR.

Two groundwater analytical results reported in this PMR were detected above the applicable screening values. These screening value exceedances were for filtered nickel and filtered manganese.

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Acronyms and Abbreviations

bgs	below ground surface
COC	chain of custody
Consent Order	2016 Compliance Order on Consent
CV	casing volume
DO	dissolved oxygen
DOE	Department of Energy (U.S.)
DP	Delta Prime
DQO	data quality objective
EIM	Environmental Information Management
EPA	Environmental Protection Agency (U.S.)
EQB	equipment rinsate blank
F	filtered
FB	field blank
FD	field duplicate
FTB	field trip blank
GELC	GEL Laboratories, LLC, Division of the GEL Group, Inc.,
gpm	gallons per minute
ID	identification
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
MY	monitoring year
N	no (best-value flag)
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit(s)
ORP	oxidation-reduction potential
PEB	performance evaluation blank
PFAS	per- and polyfluoroalkyl substances
PME	periodic monitoring event
PMR	periodic monitoring report

QA	quality assurance
QC	quality control
S	screen
SAP	sampling and analysis plan
SOP	standard operating procedure
SU	standard unit
SVOC	semivolatile organic compound
TA	technical area
VOC	volatile organic compound
Y	yes (best-value flag)

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, Sandia, and Pueblo Canyons	2023	4	9/5/2023	9/20/2023

The annual TA-21 monitoring group PMR is submitted to the New Mexico Environment Department (NMED) every February and includes validated results from the TA-21 monitoring group PME performed during the fourth quarter of the monitoring year (MY). 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 submissions.

The PMEs reported in this PMR included sampling of groundwater wells and well screen locations pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan for the 2023 Monitoring Year, October 2022–September 2023, Revision 1" (hereafter referred to as the 2023 IFGMP) (N3B 2022, 702346), which was prepared in accordance with the 2016 Compliance Order on Consent (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 need for cleanup (corrective action) if results indicate that contaminants pose an unacceptable risk.

This report presents the following information:

- general background information on the TA-21 monitoring group,
- scope of activities for the TA-21 monitoring group,
- regulatory criteria for screening analysis,
- monitoring results (field parameters and groundwater elevations),
- analytical data results, and
- a summary of the monitoring data and the results of screening analysis.

All information associated with analysis of radionuclides 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 in upper Los Alamos Canyon, Delta Prime (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 consists of two operational areas, DP West and DP East, and includes five material disposal areas (MDAs): A, B, T, U, and V.

DP West operations began in September 1945, primarily to produce plutonium metal and alloys 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 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 for developing and demonstrating effective technology for handling and processing deuterium and tritium fuels used in fusion reactors. Operations ceased at DP East in 2003 and the facilities were placed in safe shutdown.

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 septic tanks have been removed, some have been filled and left in place, and 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 from nuclear reactors at TA-02 until 1993. 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, with the exception of one location in the Sandia Canyon watershed and one location in the Pueblo Canyon watershed. Monitoring locations include nine groundwater wells completed within the perched-intermediate aquifer, and six groundwater wells completed within the deep regional aquifer.

Groundwater samples collected during the PMEs were analyzed for all or some of the following analytical suites, as specified in the 2023 IFGMP (N3B 2022, 702346): metals, per- and polyfluoroalkyl substances (PFAS), radionuclides (including tritium and low-level tritium), and general inorganic chemicals (including perchlorate). Additionally, the following field parameters were measured: dissolved oxygen (DO), flow rate (in gallons per minute [gpm]), oxidation-reduction potential (ORP), pH, specific conductance, temperature, and turbidity.

Purge water is managed and characterized in accordance with the relevant version of the Waste Characterization Strategy Form, N3B-AP-TRU-2150. 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-SOP-ER-3006), and “Regulatory Requirements for the Land Application of Groundwater” (N3B-QP-RGC-0002), which implements the NMED-approved decision tree for land application of drilling, development, rehabilitation, and sampling purge water.

Table 2.0-1 provides information about each well sampled during the PMEs. Information provided includes:

- the well location name and watershed;
- the MY and quarter of the sampling event;
- the sample collection date;
- each well’s screened interval with 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 PME Observations and Deviations from Planned Scope

The sample at LADP-3 could not be collected because there was insufficient water at the spring to sample; therefore, no field or analytical data will be available for this site during this sampling event.

Low-level tritium laboratory results were not available at the time of this report for any of the locations within this monitoring group. These data will be posted on the Intellus New Mexico database website (www.intellusnm.com) as they become available and will be included in the 2025 PMR.

3.0 REGULATORY CRITERIA

Regulatory criteria related to groundwater quality form the basis for the screening values with 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 based on the following criteria:

- For each individual substance, the NMWQCC groundwater standard or the EPA MCL, whichever is lower, is used as the screening value. The NMWQCC groundwater standards apply to specified contaminants in the dissolved (filtered) portion of samples. However, the standards for mercury and organic compounds apply to the concentrations of the contaminants in unfiltered samples. For this report, EPA MCLs are applied to contaminant concentrations in both filtered and unfiltered sample results.
- If neither the NMWQCC groundwater standard nor the EPA MCL has 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 1×10^{-5} excess cancer risk. This report was prepared using the June, 2022 NMED "Risk Assessment Guidance for Site Investigations and Remediation" (NMED 2022, 702141).
- If neither the NMWQCC groundwater standard, the EPA MCL, nor the NMED screening level for tap water has 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 1×10^{-5} excess cancer risk. The EPA screening levels for tap water are at 1×10^{-6} excess cancer risk; therefore, 10 times the EPA 1×10^{-6} screening levels are used in the screening process. This report was prepared using the November 2022 EPA regional screening levels for tap water (http://www.epa.gov/risk/risk-based-screening-table-generic-tables).

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 2023 IFGMP (N3B 2022, 702346).

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 current MDL is much lower than the former MDLs for earlier analyses. For this PMR, no target analytes have MDLs or MDL ranges that are equal to or above screening levels, and no target analytes have MDLs or MDL ranges that are above and below screening values. All target analytes in this PMR have MDLs or MDL ranges that are below screening levels.

Beginning in MY 2024, using low-level analytical methods, several semivolatile organic compounds (SVOCs), that had MDLs which were previously above screening levels, are now reported with MDLs below screening levels, allowing for more accurate detection of potential analyte exceedances. However, for several SVOCs and volatile organic compounds (VOCs), MDLs continue to be greater than their associated screening levels. N3B will continue to review these compounds in consultation with their contracted analytical laboratories to determine if new or existing analytical methods can be applied to achieve lower MDLs, and these determinations will be reported and discussed as part of the annual IFGMP Pre-Submittal meetings.

4.3 Field Parameter Results

Appendix A presents field parameter measurements associated with the sampling and analytical data reported in this PMR, including DO, flow rate, ORP, pH, specific conductance, temperature, and turbidity. Table 2.1-2 notes any instances where the requirement for collecting field parameter measures 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 on a frequency of one to two hours 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 the well for maintenance and/or calibration.

Data gaps exist at the following locations:

- LADP-3: Water levels are below the transducer for the entire period of record; the well was dry.
- LAOI(a)-1.1: Water level data are not available after December 10, 2021 due to transducer malfunction (dead battery). The transducer was replaced on December 12, 2023.
- LAOI-3.2: Water level data are not available after December 7, 2022, due to transducer malfunction (dead battery). The transducer was replaced on November 15, 2023.
- LAOI-7: Water level data are intermittently below the transducer beginning August 4, 2023.
- R-9: Water level data are not available from May 12, 2022, through June 14, 2023, and August 2, 2023, through September 14, 2023, due to transducer malfunction.

Groundwater-elevation data from the end of 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 on each day. Figure 4.4-1 shows a view of the regional groundwater surface elevation contours and flow directions at TA-21, generated based on the first measurement on the first day of the PME, from 63 wells located throughout the Los Alamos site. Groundwater elevations for R-17 S1 were collected from September 7, 2023. Groundwater levels for R-38 and R-49 S1 were not available and are not included.

Groundwater contours were determined based on the three-point solution method described in "3PE: A Tool for Estimating Groundwater Flow Vectors" (https://cfpub.epa.gov/si/si_public_record_report.cfm?dirEntryId=287064&Lab=NRMRL) and were then rendered in ArcGIS. The use of the three-point method resulted in a local high at R-35b based on less than 0.5 ft of head difference with upgradient wells (e.g., R-11, CrPZ-3). This difference in head suggests upgradient flow behavior; however, this was assumed to be a transient and not representative of annual groundwater flow. Hence, professional judgment was used to adjust the contour in this area so that the higher value of head at R-35a was captured but groundwater flow directions were downgradient. No perched-intermediate groundwater contours are shown; 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 2023 IFGMP (N3B 2022, 702346). Samples and field-data collection are conducted using SOPs that are part of a comprehensive quality assurance/quality control (QA/QC) program. These SOPs are listed and described in Appendix B of the IFGMP.

Sampling and analysis plans (SAPs) are created using 2023 IFGMP Tables 1.8-1, 1.11-1, and 2.4-1 (N3B 2022, 702346). SAPs include additional field collection, transportation, and field QA/QC criteria as identified in the N3B data quality objectives (DQOs) and in the Consent Order. A sample collection log is created from the SAP and is used to maintain a chain-of-custody (COC) document and an analytical request form. An analytical COC document includes the field sample identification (ID) number, the date and time of field sample collection, the sample matrix, the analytical parameters group code, and the number of bottles for each analytical parameters group.

Field QA/QC sampling and analysis is employed as a facet of the QA/QC program to assist in qualifying field sample analytical results. These field QA/QC samples include field blanks (FBs), equipment rinsate blanks (EQBs), performance evaluation blanks (PEBs), field trip blanks (FTBs), and field duplicates (FDs).These field QA/QC samples support monitoring the quality of field sample collection, shipping processes, and analytical laboratory processes. Additional description regarding these types of QA/QC samples is provided in Appendix D of the IFGMP.

Following sample collection, sampling personnel deliver the samples, the sample collection log, and the analytical COC to sample management personnel at the N3B Sample Management Office. The samples are then shipped to analytical laboratories for analysis.

In addition to analyzing the field samples and field QA/QC samples, analytical laboratories also employ laboratory batch QA/QC samples, including matrix spikes, duplicates, method blanks, and laboratory control samples. These QA/QC samples are prepared and analyzed by the laboratories to monitor their analytical process quality.

The analytical data are submitted by the analytical laboratory and uploaded to the N3B Environmental Information Management (EIM) database. The received data are then independently validated through the N3B data validation process, per the DQOs described below, to qualify the data.

Analytical results meet the N3B minimum DQOs as outlined in N3B-PLN-SDM-1000, "Sample and Data Management Plan."

- A Level 1 examination assesses the completeness of the data as delivered from the analytical laboratory, identifies any reporting errors, and checks the usability of the data based on the analytical laboratory's evaluation of the data.
- A Level 2 verification evaluates the data to determine the extent to which the laboratory met the analytical method and the contract-specific QC and reporting requirements.
- A Level 3 validation includes Levels 1 and 2 criteria, and determines the effect of potential anomalies encountered during analysis and possible effects on data quality and usability. A Level 3 validation is performed manually with method-specific data validation procedures.

N3B-PLN-SDM-1000 sets the validation frequency criteria at 100% for Level 1 examination and Level 2 verification of data, and at 10% minimum for Level 3 validation of data. Laboratory analytical data are validated by N3B personnel as outlined in N3B-PLN-SDM-1000; N3B-AP-SDM-3000, "General Guidelines for Data Validation"; N3B-AP-SDM-3014, "Examination and Verification of Analytical Laboratory Data," and additional method-specific analytical data validation procedures.

All associated validation procedures have been developed, where applicable, from the EPA QA/G-8, "Guidance on Environmental Data Verification and Data Validation" (https://www.epa.gov/sites/production/files/2015-06/documents/g8-final.pdf); the "Department of Defense (DoD)/Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories" (https://denix.osd.mil/edqw/documents/manuals/qsm-version-5-3-final/); the EPA "National Functional Guidelines for Data Review" (https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-nfgs-data-review); and the American National Standards Institute/American Nuclear Society 41.5, "Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation."

Validation qualifiers and reason codes applied during this process are also reviewed and approved by an N3B chemist to assess data quality. The EIM data are then made available to the public in the Intellus New Mexico database (https://intellusnm.com/).

5.2 Analytical Data

Appendix C presents the analytical data for the PMEs reported in this PMR and from the previous four sampling events. Table C-1 of the appendix contains all data for this reporting period. Table C-2 contains all detections of respective analytes from this reporting period plus the results from the four previous sampling events. The data were reviewed for compliance with regulatory and N3B requirements and are reported as follows:

- For all data:
    - ❖ FD results, reanalysis results, and results for the same analytes from the same sample analyzed by different analytical methods are reported.

- ❖ Data that are R-qualified (rejected and thus unusable because of analytical problems and/or noncompliance with QA/QC criteria during independent validation) are still reported.
- ❖ Laboratory QA/QC results, FTB data, FB data, EQB data, and PEB data are not included in the data set.
- ❖ Tracers used for conceptual models are not reported.
- ❖ Data for certain target analytes from watch-list wells that are not representative, or that are of questionable representativeness, are not reported.
- ❖ All other results are reported for all locations.

- 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. Gamma spectroscopy results for these analytes are not presented.
  - ❖ All other radionuclide results are reported for all locations.

Multiple analyses of the same analyte in a sample, including dilutions and reanalyses, create multiple results which have the same sample ID, analytical laboratory code, and analytical method. Validation determines the most 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 data flag, if present, is included in Appendix C.

Appendix D presents each analytical result detected at a concentration of 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 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 its screening value in both a primary sample and its associated FD, only the primary sample result would be recorded. If aluminum was detected above its screening value in the FD but not in the primary sample, the FD would be recorded. Figures are generated for analytical results detected at concentrations greater than screening values at more than one location.

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 historical set, which includes this PME in addition to data from the previous 3 yr, if available. Appendix E may include instances in which the analyte data are evaluated using a higher screening value than that 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. Graphs in Appendix E show both primary samples and associated FDs. Results with a best value flag of N are not included in Appendix E.

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

5.2.1 Results That Exceed Screening Level

Table 5.2-1 shows that two groundwater analytical results reported in this PMR, for filtered nickel and filtered manganese, were detected at concentrations above the applicable screening values. Both of these screening value exceedances occurred at perched-intermediate monitoring well LAOI-7.

Perched-Intermediate Monitoring Well

LAOI-7

For the sampling event at LAOI-7 on September 12, 2023, filtered manganese was detected at 221 µg/L, which exceeds the NMWQCC standard (screening levels) of 200 µg/L.

For the sampling event at LAOI-7 on September 12, 2023, filtered nickel was detected at 959 µg/L, which exceeds the NMWQCC standard (screening levels) of 200 µg/L.

The previous range of nickel concentrations detected at LAOI-7, from September 2010 to September 2022, was 1.94 to 502 µg/L. Nickel first exceeded the NMWQCC 200-µg/L standard in 2021, with concentrations measured at 481 µg/L and 502 µg/L. In 2022, the nickel concentration decreased to 288 µg/L, which still exceeded the NMWQCC standard. For MY 2023, nickel reached 959 µg/L, indicating an abrupt increase in concentration for this analyte.

The result from September 12, 2023 is the first exceedance of filtered manganese at this location after observing an increasing trend during the last 3 PMEs (103 µg/L, 67 µg/L, and 221 µg/L for 2021, 2022, and 2023, respectively). Similar concentration trends have occurred for iron, with an elevated concentration of 654 µg/L in 2021 and a lower concentration of 116 µg/L in 2022. This trend continued to decrease with a concentration of 30 µg/L in 2023. Chromium concentrations (5 µg/L, 19 µg/L, and 5.22 µg/L in 2021, 2022, and 2023, respectively) also support a hypothesis that corrosion may be causing the elevated nickel and manganese concentrations. Nickel, manganese, iron, and chromium concentrations would exhibit similar trends if stainless-steel corrosion was occurring. These concentrations will continue to be monitored to identify any sustained concentration trends and confirm or refute that corrosion is or was occurring at LAOI-7. DOE is evaluating the addition of LAOI-7 to the Appendix E “Watch List” for MY 2025.

5.2.2 Results That Are Greater Than Half of the Screening Level

Six results were detected from four locations at concentrations that are greater than half of the applicable screening values but do not exceed them. Four of these results were determined to warrant further discussion. Two FD samples that are less than or equal to the regular samples discussed are omitted from discussion.

Perched-Intermediate Monitoring Well

LAOI-3.2a

Chromium was detected at 33.2 µg/L, which is greater than half of the NMWQCC standard (screening level) of 50 µg/L, during the PME addressed in this report. The previous range for this analyte at this location from September 2010 to September 2022 was 2.04 to 10.0 µg/L. This indicates a sudden

increase in the concentration of chromium at this location. This result, along with increasing levels of iron, manganese, and nickel, indicate that corrosion may be occurring at LAOI-3.2a. These concentrations will continue to be monitored to identify any sustained concentration trends and confirm or refute that corrosion is occurring at this location. DOE is evaluating the addition of LAOI-3.2a to the Appendix E "Watch List" for MY 2025.

R-5 S2

Fluoride was detected at 1.26 mg/L, which is greater than half of the NMWQCC standard (screening level) of 1.6 mg/L, during the PME addressed in this report. The previous range for this analyte at this location, from September 2010 to September 2022, was 0.992 to 1.33 mg/L. These data may represent a natural fluctuation of fluoride within the aquifer, and/or variability in the anthropogenic fraction of fluoride in groundwater stemming from contamination present in the perched-intermediate zone by sewage and industrial waste discharged into Pueblo Canyon from four sewage treatment plants beginning in the 1940s and continuing to the present day. These concentrations will continue to be monitored to identify any long-term concentration trends that indicate these elevated readings are caused by another source.

R-6i

Fluoride was detected at 1.51 mg/L, which is greater than half of the NMWQCC standard (screening level) of 1.6 mg/L, during the PME addressed in this report. The previous range for this analyte at this location, from September 2010 to September 2022, was 0.662 to 1.20 mg/L, and the concentration has been increasing steadily over the past 6 yr. These concentrations will continue to be monitored to determine whether these elevated readings are caused by a non-natural source.

Regional Monitoring Well

R-64

Radium-226 was detected at 2.52 pCi/L, which is greater than half of the NMWQCC standard (screening level) of 5 pCi/L, during the PME addressed in this report. The previous range for this analyte at this location, from December 2011 to September 2022, was 0.186 to 0.825 pCi/L. The current result represents a 13.5 fold increase over the previous year (0.186 pCi/L) and may represent an outlier. These concentrations will continue to be monitored to identify any sustained concentration trends and confirm or refute that this result is erroneous.

5.3 Sampling Program Modifications

Pursuant to the 2024 IFGMP (N3B 2023, 702924), beginning in MY 2024, PFAS will be sampled sitewide on a biennial basis. Locations with historical exceedances will continue to be sampled annually.

Beginning in MY 2024, using low-level analytical methods, several SVOCs that had MDLs which were previously above screening levels are now reported with MDLs below screening levels, allowing for more accurate detection of potential analyte exceedances. However, MDLs for several SVOCs and VOCs are still greater than their associated screening levels. N3B will continue to review these compounds in consultation with their contracted analytical laboratories to determine if new or existing analytical methods can be applied to achieve lower MDLs, and these determinations will be reported and discussed as part of the annual IFGMP pre-submittal meetings.

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

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

6.2 Analytical Results

6.2.1 Groundwater

Two groundwater analytical results reported in this PMR were above applicable screening values (Table 5.2-1). The concentration of filtered nickel detected is consistent with data reported in a prior PMR for this monitoring group. Filtered manganese exceeded applicable screening levels for the first time during this PME. Six groundwater analytical results reported in this PMR were above half of the applicable screening values but did not exceed those values.

6.3 Data Gaps

Table 2.1-1 summarizes the observations, and Table 2.1-2 summarizes the 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. ERIDs were assigned by Los Alamos National Laboratory's (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).

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NMED (New Mexico Environment Department), November 2022. “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 2022, 702141)

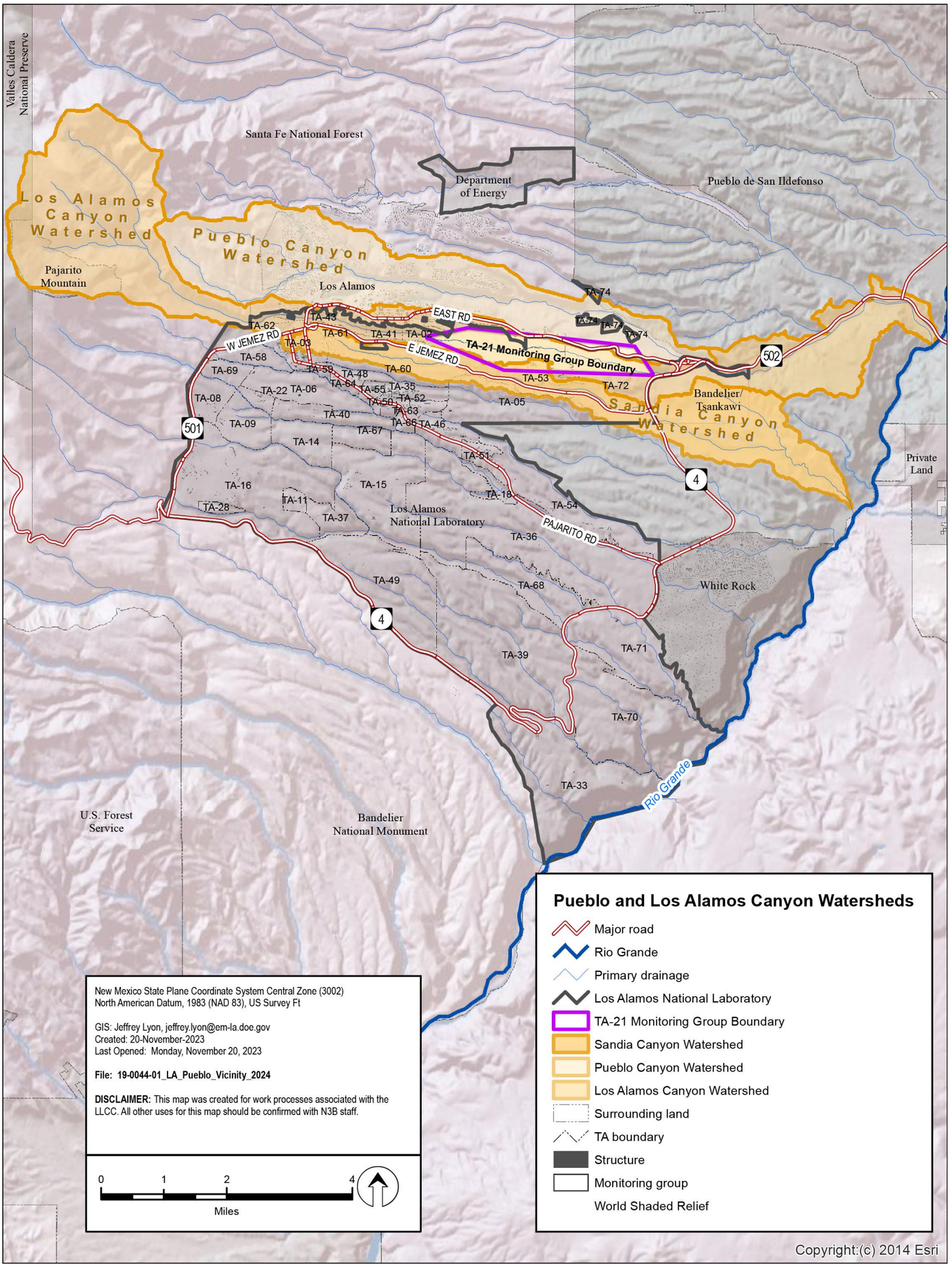


Figure 2.0-1 TA-21 vicinity map

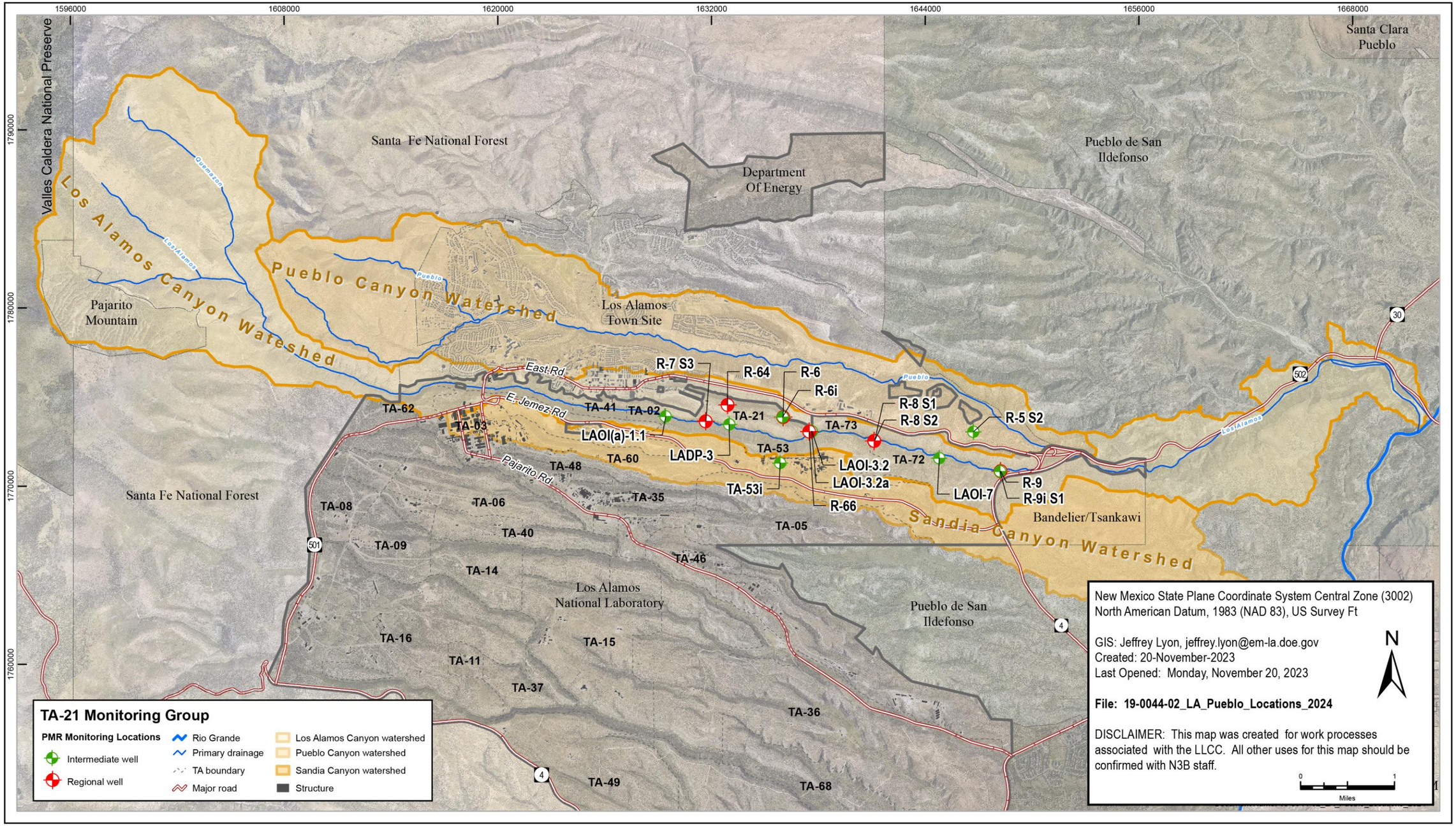
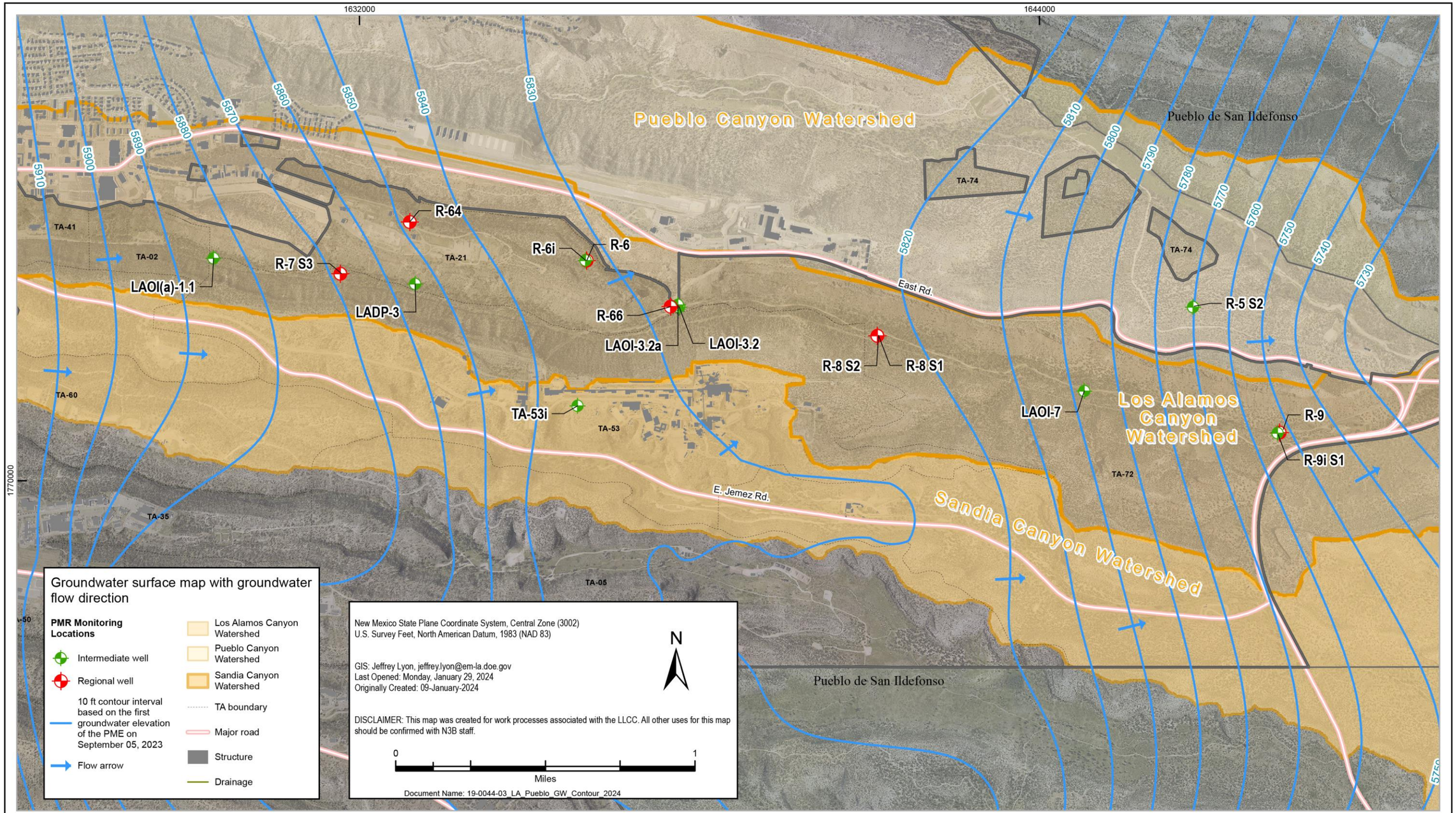


Figure 2.0-2 TA-21 monitoring group locations



Note: Regional aquifer water table contours were generated using the first measurement on the first day of the PME presented in the PMR with the exception of R-63.

Figure 4.4-1 Regional aquifer water table map with flow direction

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

Location Name	Watershed	Sampling Event		Sample Collection Date	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										
TA-53i	Sandia	2023	4	9/20/2023	10.0	600.0	610.0	21.05	74.88	4.16
R-5 S2[c]	Pueblo			9/15/2023	16.0	372.8	388.8	81.19	252.00	2.40
LADP-3	Los Alamos			Canceled[d]	8.7	317.6	326.3	—[e]	—	—
LAOI(a)-1.1	Los Alamos			9/11/2023	9.8	295.2	305.0	3.40	21.51	0.57
LAOI-3.2	Los Alamos			9/18/2023	9.5	153.3	162.8	7.32	27.00	0.10
LAOI-3.2a	Los Alamos			9/12/2023	9.6	181.4	191.0	4.95	14.88	0.62
LAOI-7	Los Alamos			9/12/2023	19.6	240.0	259.6	9.62	32.40	1.20
R-6i	Los Alamos			9/5/2023	10.0	602.0	612.0	16.91	65.10	4.34
R-9i S1[f]	Los Alamos			9/11/2023	10.4	189.1	199.5	55.16	166.80	5.56
Regional										
R-6	Los Alamos	2023	4	9/5/2023	23.0	1205.0	1228.0	72.21	238.35	6.81
R-7 S3[g]	Los Alamos			9/15/2023	41.9	895.5	937.4	54.80	201.60	4.48
R-8 S1	Los Alamos			9/5/2023	50.4	705.3	755.7	67.04	221.40	4.92
R-8 S2	Los Alamos			9/5/2023	6.7	821.3	828.0	54.35	266.20	4.84
R-64	Los Alamos			9/6/2023	20.5	1285.0	1305.5	42.75	146.58	6.98
R-66	Los Alamos			9/6/2023	20.3	819.4	839.7	54.54	169.40	4.84
R-9	Los Alamos			9/11/2023	65.5	683.0	748.5	53.11	173.60	4.96

[a] bgs = Below ground surface.

[b] gpm = Gallons per minute.

[c] S2 = Screen 2.

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

[e] — = Not applicable.

[f] S1 = Screen 1.

[g] S3 = Screen 3.

Table 2.1-1
TA-21 Monitoring Group PME Observations

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Comment
		Monitoring Year	Quarter		
LAOI(a)-1.1	Los Alamos	2023	4	6.33 CVs[a] purged	Field parameters not stable. Sampled at 6 CVs per Groundwater Sampling SOP. Used historical water level. Transducer required battery backup due to low battery and set to depth.
LAOI-3.2	Los Alamos			3.69 CVs purged	Flood conditions in drainage channel during initial sampling event on 9/14/2023. Purged an extra 0.68 CVs to allow DO to stabilize
LAOI-3.2a	Los Alamos			3.01 CVs purged	None
LAOI-7	Los Alamos			3.37 CVs purged	Water level begins in screened interval
R-6i	Los Alamos			3.85 CVs purged	None
TA-53i	Los Alamos			3.56 CVs purged	Water level begins in screened interval
R-9i S1[b]	Los Alamos			3.02 CVs purged	None
R-5 S2[c]	Pueblo			3.10 CVs purged	None
R-6	Los Alamos			3.30 CVs purged	None
R-7 S3[d]	Los Alamos			3.68 CVs purged	Water level begins in screened interval.
R-8 S1	Los Alamos			3.30 CVs purged	Water level drops into screen during purge.
R-8 S2	Los Alamos			4.90 CVs purged	Purged additional 1.78 CVs to allow DO to stabilize.
R-64	Los Alamos			3.43 CVs purged	None
R-66	Los Alamos			3.11 CVs purged	None
R-9	Los Alamos			3.27 CVs purged	None

[a] CV = Casing volume.

[b] S1 = Screen 1.

[c] S2 = Screen 2.

[d] S3 = Screen 3.

Table 2.1-2
TA-21 Monitoring Group PME Deviations

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Comment
		Monitoring Year	Quarter		
LADP-3	Los Alamos	2023	4	No field or analytical data will be available for this site.	Canceled; insufficient water to sample.

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

Standard Type	Standard Source	Description	Groundwater
New Mexico			
Standard	20.6.2.3103 New Mexico Administrative Code (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[e]	X
Standard	DOE Order 458.1	DOE 4-mrem drinking water derived concentration technical standards[e]	X

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

[b] Screening levels derived from NMED guidance (NMED 2017, 602274; NMED 2022, 702141).

[c] EPA MCLs (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).

[e] DOE derived concentration technical standards (https://www.directives.doe.gov/directives-documents/400-series/0458.1-border-chg4-ltdchg).

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
LAOI-7	9/12/2023	Manganese	F[a]	221	µg/L	200	NM GW STD[b]
LAOI-7	9/12/2023	Nickel	F	959	µg/L	200	NM GW STD

[a] F = Filtered.

[b] NM GW STD = New Mexico Groundwater Standard 20 6.2.3103 New Mexico Administrative Code (NMWQCC groundwater standard).

Appendix A

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

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
LAOI(a)-1.1	295.2	9/10/2019	WG[b]	Discharge Rate	0.69	gpm[c]	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	Discharge Rate	0.7	gpm	CALA-20-199157
LAOI(a)-1.1	295.2	8/19/2021	WG	Discharge Rate	0.75	gpm	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	Discharge Rate	0.74	gpm	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	Discharge Rate	0.57	gpm	CALA-23-295076
LAOI(a)-1.1	295.2	9/10/2019	WG	Dissolved Oxygen	8.85	mg/L	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	Dissolved Oxygen	8.38	mg/L	CALA-20-199157
LAOI(a)-1.1	295.2	8/19/2021	WG	Dissolved Oxygen	13.27	mg/L	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	Dissolved Oxygen	10.41	mg/L	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	Dissolved Oxygen	13.08	mg/L	CALA-23-295076
LAOI(a)-1.1	295.2	9/10/2019	WG	Oxidation-Reduction Potential	312	mV	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	Oxidation-Reduction Potential	187.5	mV	CALA-20-199157
LAOI(a)-1.1	295.2	8/19/2021	WG	Oxidation-Reduction Potential	203.4	mV	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	Oxidation-Reduction Potential	191.9	mV	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	Oxidation-Reduction Potential	222.7	mV	CALA-23-295076
LAOI(a)-1.1	295.2	9/10/2019	WG	pH	6.58	SU[d]	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	pH	6.34	SU	CALA-20-199157
LAOI(a)-1.1	295.2	8/19/2021	WG	pH	6.78	SU	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	pH	6.8	SU	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	pH	6.16	SU	CALA-23-295076
LAOI(a)-1.1	295.2	9/10/2019	WG	Specific Conductance	99.1	µS/cm	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	Specific Conductance	106.3	µS/cm	CALA-20-199157
LAOI(a)-1.1	295.2	8/19/2021	WG	Specific Conductance	97.5	µS/cm	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	Specific Conductance	99	µS/cm	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	Specific Conductance	93.6	µS/cm	CALA-23-295076
LAOI(a)-1.1	295.2	9/10/2019	WG	Temperature	10.1	deg C	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	Temperature	10.7	deg C	CALA-20-199157

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
LAOI(a)-1.1	295.2	8/19/2021	WG	Temperature	10.4	deg C	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	Temperature	10.4	deg C	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	Temperature	10.1	deg C	CALA-23-295076
LAOI(a)-1.1	295.2	9/10/2019	WG	Turbidity	40.1	NTU[e]	CALA-19-185289
LAOI(a)-1.1	295.2	9/1/2020	WG	Turbidity	10.52	NTU	CALA-20-199157
LAOI(a)-1.1	295.2	8/19/2021	WG	Turbidity	84.2	NTU	CALA-21-232062
LAOI(a)-1.1	295.2	9/14/2022	WG	Turbidity	11.6	NTU	CALA-22-258547
LAOI(a)-1.1	295.2	9/11/2023	WG	Turbidity	17.1	NTU	CALA-23-295076
LAOI-3.2	153.3	9/5/2019	WG	Dissolved Oxygen	9.38	mg/L	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	Dissolved Oxygen	9.52	mg/L	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	Dissolved Oxygen	10.51	mg/L	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	Dissolved Oxygen	8.44	mg/L	CALA-22-258551
LAOI-3.2	153.3	9/18/2023	WG	Dissolved Oxygen	8.59	mg/L	CALA-23-295083
LAOI-3.2	153.3	9/5/2019	WG	Flow (in gpm)	0.12	gpm	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	Flow (in gpm)	0.13	gpm	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	Flow (in gpm)	0.11	gpm	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	Flow (in gpm)	0.12	gpm	CALA-22-258551
LAOI-3.2	153.3	9/18/2023	WG	Flow (in gpm)	0.1	gpm	CALA-23-295083
LAOI-3.2	153.3	9/5/2019	WG	Oxidation-Reduction Potential	390.2	mV	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	Oxidation-Reduction Potential	284.4	mV	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	Oxidation-Reduction Potential	411.6	mV	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	Oxidation-Reduction Potential	258.4	mV	CALA-22-258551
LAOI-3.2	153.3	9/18/2023	WG	Oxidation-Reduction Potential	223.5	mV	CALA-23-295083
LAOI-3.2	153.3	9/5/2019	WG	pH	6.38	SU	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	pH	6.35	SU	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	pH	6.38	SU	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	pH	6.43	SU	CALA-22-258551

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
LAOI-3.2	153.3	9/18/2023	WG	pH	6.37	SU	CALA-23-295083
LAOI-3.2	153.3	9/5/2019	WG	Specific Conductance	309	µS/cm	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	Specific Conductance	318.8	µS/cm	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	Specific Conductance	320	µS/cm	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	Specific Conductance	332.6	µS/cm	CALA-22-258551
LAOI-3.2	153.3	9/18/2023	WG	Specific Conductance	338.6	µS/cm	CALA-23-295083
LAOI-3.2	153.3	9/5/2019	WG	Temperature	12.7	deg C	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	Temperature	12.2	deg C	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	Temperature	12.8	deg C	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	Temperature	12.4	deg C	CALA-22-258551
LAOI-3.2	153.3	9/18/2023	WG	Temperature	12.3	deg C	CALA-23-295083
LAOI-3.2	153.3	9/5/2019	WG	Turbidity	0.32	NTU	CALA-19-185291
LAOI-3.2	153.3	9/2/2020	WG	Turbidity	0.62	NTU	CALA-20-199160
LAOI-3.2	153.3	8/24/2021	WG	Turbidity	0.4	NTU	CALA-21-232064
LAOI-3.2	153.3	9/12/2022	WG	Turbidity	0.42	NTU	CALA-22-258551
LAOI-3.2	153.3	9/18/2023	WG	Turbidity	0.91	NTU	CALA-23-295083
LAOI-3.2a	181.4	9/11/2019	WG	Dissolved Oxygen	8.62	mg/L	CALA-19-185293
LAOI-3.2a	181.4	9/2/2020	WG	Dissolved Oxygen	8.49	mg/L	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	Dissolved Oxygen	8.48	mg/L	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	Dissolved Oxygen	8.51	mg/L	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	Dissolved Oxygen	8.34	mg/L	CALA-23-295085
LAOI-3.2a	181.4	9/11/2019	WG	Flow (in gpm)	0.66	gpm	CALA-19-185293
LAOI-3.2a	181.4	9/2/2020	WG	Flow (in gpm)	0.71	gpm	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	Flow (in gpm)	0.72	gpm	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	Flow (in gpm)	0.82	gpm	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	Flow (in gpm)	0.62	gpm	CALA-23-295085
LAOI-3.2a	181.4	9/11/2019	WG	Oxidation-Reduction Potential	243.8	mV	CALA-19-185293

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
LAOI-3.2a	181.4	9/2/2020	WG	Oxidation-Reduction Potential	213.1	mV	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	Oxidation-Reduction Potential	168.9	mV	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	Oxidation-Reduction Potential	95.8	mV	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	Oxidation-Reduction Potential	70.4	mV	CALA-23-295085
LAOI-3.2a	181.4	9/11/2019	WG	pH	6.31	SU	CALA-19-185293
LAOI-3.2a	181.4	9/2/2020	WG	pH	6.54	SU	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	pH	6.53	SU	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	pH	6.47	SU	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	pH	6.21	SU	CALA-23-295085
LAOI-3.2a	181.4	9/11/2019	WG	Specific Conductance	286.1	µS/cm	CALA-19-185293
LAOI-3.2a	181.4	9/2/2020	WG	Specific Conductance	297.7	µS/cm	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	Specific Conductance	302.2	µS/cm	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	Specific Conductance	309	µS/cm	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	Specific Conductance	447.3	µS/cm	CALA-23-295085
LAOI-3.2a	181.4	9/11/2019	WG	Temperature	12.2	deg C	CALA-19-185293
LAOI-3.2a	181.4	9/2/2020	WG	Temperature	13.4	deg C	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	Temperature	12.5	deg C	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	Temperature	12.2	deg C	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	Temperature	12	deg C	CALA-23-295085
LAOI-3.2a	181.4	9/11/2019	WG	Turbidity	1.2	NTU	CALA-19-185293
LAOI-3.2a	181.4	9/2/2020	WG	Turbidity	2.21	NTU	CALA-20-199164
LAOI-3.2a	181.4	8/12/2021	WG	Turbidity	1.15	NTU	CALA-21-232107
LAOI-3.2a	181.4	9/21/2022	WG	Turbidity	3.06	NTU	CALA-22-258555
LAOI-3.2a	181.4	9/12/2023	WG	Turbidity	0.46	NTU	CALA-23-295085
LAOI-7	240.0	9/17/2019	WG	Dissolved Oxygen	7.83	mg/L	CALA-19-185295
LAOI-7	240.0	8/26/2020	WG	Dissolved Oxygen	7.81	mg/L	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	Dissolved Oxygen	7.58	mg/L	CALA-21-232068

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
LAOI-7	240.0	9/23/2022	WG	Dissolved Oxygen	7.39	mg/L	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	Dissolved Oxygen	8.77	mg/L	CALA-23-295745
LAOI-7	240.0	9/17/2019	WG	Flow (in gpm)	2.00	gpm	CALA-18-185295
LAOI-7	240.0	8/26/2020	WG	Flow (in gpm)	1.62	gpm	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	Flow (in gpm)	1.61	gpm	CALA-21-232068
LAOI-7	240.0	9/23/2022	WG	Flow (in gpm)	1.46	gpm	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	Flow (in gpm)	1.2	gpm	CALA-23-295745
LAOI-7	240.0	9/17/2019	WG	Oxidation-Reduction Potential	69.8	mV	CALA-19-185295
LAOI-7	240.0	8/26/2020	WG	Oxidation-Reduction Potential	65.8	mV	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	Oxidation-Reduction Potential	-18	mV	CALA-21-232068
LAOI-7	240.0	9/23/2022	WG	Oxidation-Reduction Potential	31.7	mV	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	Oxidation-Reduction Potential	101.6	mV	CALA-23-295745
LAOI-7	240.0	9/17/2019	WG	pH	6.92	SU	CALA-19-185295
LAOI-7	240.0	8/26/2020	WG	pH	6.79	SU	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	pH	6.99	SU	CALA-21-232068
LAOI-7	240.0	9/23/2022	WG	pH	6.73	SU	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	pH	7.26	SU	CALA-23-295745
LAOI-7	240.0	9/17/2019	WG	Specific Conductance	213.7	µS/cm	CALA-19-185295
LAOI-7	240.0	8/26/2020	WG	Specific Conductance	208.5	µS/cm	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	Specific Conductance	220.8	µS/cm	CALA-21-232068
LAOI-7	240.0	9/23/2022	WG	Specific Conductance	231	µS/cm	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	Specific Conductance	334.7	µS/cm	CALA-23-295745
LAOI-7	240.0	9/17/2019	WG	Temperature	14.3	deg C	CALA-19-185295
LAOI-7	240.0	8/26/2020	WG	Temperature	14.5	deg C	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	Temperature	15.1	deg C	CALA-21-232068
LAOI-7	240.0	9/23/2022	WG	Temperature	14.7	deg C	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	Temperature	14.6	deg C	CALA-23-295745

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
LAOI-7	240.0	9/17/2019	WG	Turbidity	0.9	NTU	CALA-19-185295
LAOI-7	240.0	8/26/2020	WG	Turbidity	1.13	NTU	CALA-20-199167
LAOI-7	240.0	8/11/2021	WG	Turbidity	2.39	NTU	CALA-21-232068
LAOI-7	240.0	9/23/2022	WG	Turbidity	3.63	NTU	CALA-22-258562
LAOI-7	240.0	9/12/2023	WG	Turbidity	8.05	NTU	CALA-23-295745
R-5 S2[f]	372.8	12/9/2020	WG	Dissolved Oxygen	7.53	mg/L	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	Dissolved Oxygen	7.59	mg/L	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	Dissolved Oxygen	7.40	mg/L	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	Dissolved Oxygen	7.38	mg/L	CAPU-21-232127
R-5 S2	372.8	9/19/2022	WG	Dissolved Oxygen	7.48	mg/L	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	Dissolved Oxygen	7.47	mg/L	CAPU-23-295772
R-5 S2	372.8	12/9/2020	WG	Flow (in gpm)	3.00	gpm	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	Flow (in gpm)	3.41	gpm	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	Flow (in gpm)	3.13	gpm	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	Flow (in gpm)	2.23	gpm	CAPU-21-232127
R-5 S2	372.8	9/19/2022	WG	Flow (in gpm)	2.34	gpm	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	Flow (in gpm)	2.4	gpm	CAPU-23-295772
R-5 S2	372.8	12/9/2020	WG	Oxidation-Reduction Potential	257.9	mV	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	Oxidation-Reduction Potential	194.1	mV	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	Oxidation-Reduction Potential	194.8	mV	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	Oxidation-Reduction Potential	186.4	mV	CAPU-21-232127
R-5 S2	372.8	9/19/2022	WG	Oxidation-Reduction Potential	121.1	mV	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	Oxidation-Reduction Potential	85.1	mV	CAPU-23-295772
R-5 S2	372.8	12/9/2020	WG	pH	8.08	SU	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	pH	8.04	SU	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	pH	8.00	SU	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	pH	8.03	SU	CAPU-21-232127

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-5 S2	372.8	9/19/2022	WG	pH	7.79	SU	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	pH	7.91	SU	CAPU-23-295772
R-5 S2	372.8	12/9/2020	WG	Specific Conductance	258.4	µS/cm	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	Specific Conductance	256	µS/cm	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	Specific Conductance	260	µS/cm	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	Specific Conductance	256.4	µS/cm	CAPU-21-232127
R-5 S2	372.8	9/19/2022	WG	Specific Conductance	257.7	µS/cm	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	Specific Conductance	260.8	µS/cm	CAPU-23-295772
R-5 S2	372.8	12/9/2020	WG	Temperature	16.3	deg C	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	Temperature	17.1	deg C	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	Temperature	18.4	deg C	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	Temperature	18.8	deg C	CAPU-21-232127
R-5 S2	372.8	9/19/2022	WG	Temperature	18.6	deg C	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	Temperature	18.3	deg C	CAPU-23-295772
R-5 S2	372.8	12/9/2020	WG	Turbidity	0.51	NTU	CAPU-21-211114
R-5 S2	372.8	2/18/2021	WG	Turbidity	0.62	NTU	CAPU-21-218080
R-5 S2	372.8	6/14/2021	WG	Turbidity	2.35	NTU	CAPU-21-229557
R-5 S2	372.8	8/10/2021	WG	Turbidity	0.36	NTU	CAPU-21-232127
R-5 S2	372.8	9/19/2022	WG	Turbidity	1.43	NTU	CAPU-22-258644
R-5 S2	372.8	9/15/2023	WG	Turbidity	0.12	NTU	CAPU-23-295772
R-6	1205.0	9/9/2019	WG	Dissolved Oxygen	5.43	mg/L	CALA-19-185305
R-6	1205.0	8/25/2020	WG	Dissolved Oxygen	5.87	mg/L	CALA-20-199292
R-6	1205.0	8/26/2021	WG	Dissolved Oxygen	5.31	mg/L	CALA-21-232076
R-6	1205.0	9/6/2022	WG	Dissolved Oxygen	4.37	mg/L	CALA-22-258581
R-6	1205.0	9/5/2023	WG	Dissolved Oxygen	4.74	mg/L	CALA-23-295758
R-6	1205.0	9/9/2019	WG	Flow (in gpm)	8.11	gpm	CALA-19-185305
R-6	1205.0	8/25/2020	WG	Flow (in gpm)	6.98	gpm	CALA-20-199292

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-6	1205.0	8/26/2021	WG	Flow (in gpm)	6.81	gpm	CALA-21-232076
R-6	1205.0	9/6/2022	WG	Flow (in gpm)	6.98	gpm	CALA-22-258581
R-6	1205.0	9/5/2023	WG	Flow (in gpm)	6.81	gpm	CALA-23-295758
R-6	1205.0	9/9/2019	WG	Oxidation-Reduction Potential	199.7	mV	CALA-19-185305
R-6	1205.0	8/25/2020	WG	Oxidation-Reduction Potential	125.5	mV	CALA-20-199292
R-6	1205.0	8/26/2021	WG	Oxidation-Reduction Potential	97.9	mV	CALA-21-232076
R-6	1205.0	9/6/2022	WG	Oxidation-Reduction Potential	73.8	mV	CALA-22-258581
R-6	1205.0	9/5/2023	WG	Oxidation-Reduction Potential	42.8	mV	CALA-23-295758
R-6	1205.0	9/9/2019	WG	pH	7.97	SU	CALA-19-185305
R-6	1205.0	8/25/2020	WG	pH	7.97	SU	CALA-20-199292
R-6	1205.0	8/26/2021	WG	pH	8.19	SU	CALA-21-232076
R-6	1205.0	9/6/2022	WG	pH	7.99	SU	CALA-22-258581
R-6	1205.0	9/5/2023	WG	pH	8.13	SU	CALA-23-295758
R-6	1205.0	9/9/2019	WG	Specific Conductance	136	µS/cm	CALA-19-185305
R-6	1205.0	8/25/2020	WG	Specific Conductance	134.9	µS/cm	CALA-20-199292
R-6	1205.0	8/26/2021	WG	Specific Conductance	138.1	µS/cm	CALA-21-232076
R-6	1205.0	9/6/2022	WG	Specific Conductance	143.1	µS/cm	CALA-22-258581
R-6	1205.0	9/5/2023	WG	Specific Conductance	145.4	µS/cm	CALA-23-295758
R-6	1205.0	9/9/2019	WG	Temperature	22.7	deg C	CALA-19-185305
R-6	1205.0	8/25/2020	WG	Temperature	23.2	deg C	CALA-20-199292
R-6	1205.0	8/26/2021	WG	Temperature	22.9	deg C	CALA-21-232076
R-6	1205.0	9/6/2022	WG	Temperature	22.9	deg C	CALA-22-258581
R-6	1205.0	9/5/2023	WG	Temperature	24.3	deg C	CALA-23-295758
R-6	1205.0	9/9/2019	WG	Turbidity	0.58	NTU	CALA-19-185305
R-6	1205.0	8/25/2020	WG	Turbidity	0.21	NTU	CALA-20-199292
R-6	1205.0	8/26/2021	WG	Turbidity	0.82	NTU	CALA-21-232076
R-6	1205.0	9/6/2022	WG	Turbidity	2.26	NTU	CALA-22-258581

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-6	1205.0	9/5/2023	WG	Turbidity	0.12	NTU	CALA-23-295758
R-64	1285.0	9/4/2019	WG	Dissolved Oxygen	6.34	mg/L	CALA-19-185308
R-64	1285.0	8/28/2020	WG	Dissolved Oxygen	6.53	mg/L	CALA-20-199306
R-64	1285.0	8/23/2021	WG	Dissolved Oxygen	6.41	mg/L	CALA-21-232084
R-64	1285.0	9/22/2022	WG	Dissolved Oxygen	6.62	mg/L	CALA-22-258626
R-64	1285.0	9/6/2023	WG	Dissolved Oxygen	6.43	mg/L	CALA-23-295766
R-64	1285.0	9/4/2019	WG	Flow (in gpm)	7.14	gpm	CALA-19-185308
R-64	1285.0	8/28/2020	WG	Flow (in gpm)	7.14	gpm	CALA-20-199306
R-64	1285.0	8/23/2021	WG	Flow (in gpm)	7.14	gpm	CALA-21-232084
R-64	1285.0	9/22/2022	WG	Flow (in gpm)	7.14	gpm	CALA-22-258626
R-64	1285.0	9/6/2023	WG	Flow (in gpm)	6.98	gpm	CALA-23-295766
R-64	1285.0	9/4/2019	WG	Oxidation-Reduction Potential	246.8	mV	CALA-19-185308
R-64	1285.0	8/28/2020	WG	Oxidation-Reduction Potential	305.2	mV	CALA-20-199306
R-64	1285.0	8/23/2021	WG	Oxidation-Reduction Potential	271.7	mV	CALA-21-232084
R-64	1285.0	9/22/2022	WG	Oxidation-Reduction Potential	163	mV	CALA-22-258626
R-64	1285.0	9/6/2023	WG	Oxidation-Reduction Potential	156	mV	CALA-23-295766
R-64	1285.0	9/4/2019	WG	pH	8.37	SU	CALA-19-185308
R-64	1285.0	8/28/2020	WG	pH	8.05	SU	CALA-20-199306
R-64	1285.0	8/23/2021	WG	pH	8.02	SU	CALA-21-232084
R-64	1285.0	9/22/2022	WG	pH	8.28	SU	CALA-22-258626
R-64	1285.0	9/6/2023	WG	pH	8.3	SU	CALA-23-295766
R-64	1285.0	9/4/2019	WG	Specific Conductance	122.1	µS/cm	CALA-19-185308
R-64	1285.0	8/28/2020	WG	Specific Conductance	122.5	µS/cm	CALA-20-199306
R-64	1285.0	8/23/2021	WG	Specific Conductance	123.1	µS/cm	CALA-21-232084
R-64	1285.0	9/22/2022	WG	Specific Conductance	122.6	µS/cm	CALA-22-258626
R-64	1285.0	9/6/2023	WG	Specific Conductance	127	µS/cm	CALA-23-295766
R-64	1285.0	9/4/2019	WG	Temperature	19	deg C	CALA-19-185308

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-64	1285.0	8/28/2020	WG	Temperature	19.1	deg C	CALA-20-199306
R-64	1285.0	8/23/2021	WG	Temperature	18.8	deg C	CALA-21-232084
R-64	1285.0	9/22/2022	WG	Temperature	18.9	deg C	CALA-22-258626
R-64	1285.0	9/6/2023	WG	Temperature	20	deg C	CALA-23-295766
R-64	1285.0	9/4/2019	WG	Turbidity	1.1	NTU	CALA-19-185308
R-64	1285.0	8/28/2020	WG	Turbidity	0.98	NTU	CALA-20-199306
R-64	1285.0	8/23/2021	WG	Turbidity	7.91	NTU	CALA-21-232084
R-64	1285.0	9/22/2022	WG	Turbidity	0.89	NTU	CALA-22-258626
R-64	1285.0	9/6/2023	WG	Turbidity	0.43	NTU	CALA-23-295766
R-66	819.4	9/12/2019	WG	Dissolved Oxygen	6.67	mg/L	CALA-19-185310
R-66	819.4	8/28/2020	WG	Dissolved Oxygen	6.95	mg/L	CALA-20-199309
R-66	819.4	8/19/2021	WG	Dissolved Oxygen	6.61	mg/L	CALA-21-232086
R-66	819.4	9/15/2022	WG	Dissolved Oxygen	6.7	mg/L	CALA-22-258633
R-66	819.4	9/6/2023	WG	Dissolved Oxygen	6.7	mg/L	CALA-23-295768
R-66	819.4	9/12/2019	WG	Flow (in gpm)	4.84	gpm	CALA-19-185310
R-66	819.4	8/28/2020	WG	Flow (in gpm)	5	gpm	CALA-20-199309
R-66	819.4	8/19/2021	WG	Flow (in gpm)	4.92	gpm	CALA-21-232086
R-66	819.4	9/15/2022	WG	Flow (in gpm)	5.17	gpm	CALA-22-258633
R-66	819.4	9/6/2023	WG	Flow (in gpm)	4.84	gpm	CALA-23-295768
R-66	819.4	9/12/2019	WG	Oxidation-Reduction Potential	229	mV	CALA-19-185310
R-66	819.4	8/28/2020	WG	Oxidation-Reduction Potential	172.6	mV	CALA-20-199309
R-66	819.4	8/19/2021	WG	Oxidation-Reduction Potential	273.9	mV	CALA-21-232086
R-66	819.4	9/15/2022	WG	Oxidation-Reduction Potential	149.9	mV	CALA-22-258633
R-66	819.4	9/6/2023	WG	Oxidation-Reduction Potential	158	mV	CALA-23-295768
R-66	819.4	9/12/2019	WG	pH	7.68	SU	CALA-19-185310
R-66	819.4	8/28/2020	WG	pH	7.59	SU	CALA-20-199309
R-66	819.4	8/19/2021	WG	pH	7.85	SU	CALA-21-232086

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-66	819.4	9/15/2022	WG	pH	7.76	SU	CALA-22-258633
R-66	819.4	9/6/2023	WG	pH	7.8	SU	CALA-23-295768
R-66	819.4	9/12/2019	WG	Specific Conductance	186.4	µS/cm	CALA-19-185310
R-66	819.4	8/28/2020	WG	Specific Conductance	183.3	µS/cm	CALA-20-199309
R-66	819.4	8/19/2021	WG	Specific Conductance	186.2	µS/cm	CALA-21-232086
R-66	819.4	9/15/2022	WG	Specific Conductance	185.7	µS/cm	CALA-22-258633
R-66	819.4	9/6/2023	WG	Specific Conductance	191	µS/cm	CALA-23-295768
R-66	819.4	9/12/2019	WG	Temperature	23.4	deg C	CALA-19-185310
R-66	819.4	8/28/2020	WG	Temperature	23.7	deg C	CALA-20-199309
R-66	819.4	8/19/2021	WG	Temperature	23.4	deg C	CALA-21-232086
R-66	819.4	9/15/2022	WG	Temperature	23.4	deg C	CALA-22-258633
R-66	819.4	9/6/2023	WG	Temperature	24.2	deg C	CALA-23-295768
R-66	819.4	9/12/2019	WG	Turbidity	2.23	NTU	CALA-19-185310
R-66	819.4	8/28/2020	WG	Turbidity	2.38	NTU	CALA-20-199309
R-66	819.4	8/19/2021	WG	Turbidity	3.88	NTU	CALA-21-232086
R-66	819.4	9/15/2022	WG	Turbidity	2.78	NTU	CALA-22-258633
R-66	819.4	9/6/2023	WG	Turbidity	1.03	NTU	CALA-23-295768
R-6i	602.0	9/9/2019	WG	Dissolved Oxygen	7.45	mg/L	CALA-19-185297
R-6i	602.0	8/25/2020	WG	Dissolved Oxygen	7.39	mg/L	CALA-20-199170
R-6i	602.0	8/25/2021	WG	Dissolved Oxygen	7.54	mg/L	CALA-21-232070
R-6i	602.0	9/6/2022	WG	Dissolved Oxygen	7.39	mg/L	CALA-22-258566
R-6i	602.0	9/5/2023	WG	Dissolved Oxygen	7.35	mg/L	CALA-23-295747
R-6i	602.0	9/9/2019	WG	Flow (in gpm)	4.29	gpm	CALA-19-185297
R-6i	602.0	8/25/2020	WG	Flow (in gpm)	4.23	gpm	CALA-20-199170
R-6i	602.0	8/25/2021	WG	Flow (in gpm)	4.17	gpm	CALA-21-232070
R-6i	602.0	9/6/2022	WG	Flow (in gpm)	4.35	gpm	CALA-22-258566
R-6i	602.0	9/5/2023	WG	Flow (in gpm)	4.34	gpm	CALA-23-295747

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-6i	602.0	9/9/2019	WG	Oxidation-Reduction Potential	164.9	mV	CALA-19-185297
R-6i	602.0	8/25/2020	WG	Oxidation-Reduction Potential	93	mV	CALA-20-199170
R-6i	602.0	8/25/2021	WG	Oxidation-Reduction Potential	134.5	mV	CALA-21-232070
R-6i	602.0	9/6/2022	WG	Oxidation-Reduction Potential	101.4	mV	CALA-22-258566
R-6i	602.0	9/5/2023	WG	Oxidation-Reduction Potential	79.5	mV	CALA-23-295747
R-6i	602.0	9/9/2019	WG	pH	7.34	SU	CALA-19-185297
R-6i	602.0	8/25/2020	WG	pH	7.27	SU	CALA-20-199170
R-6i	602.0	8/25/2021	WG	pH	7.58	SU	CALA-21-232070
R-6i	602.0	9/6/2022	WG	pH	7.4	SU	CALA-22-258566
R-6i	602.0	9/5/2023	WG	pH	7.56	SU	CALA-23-295747
R-6i	602.0	9/9/2019	WG	Specific Conductance	199	µS/cm	CALA-19-185297
R-6i	602.0	8/25/2020	WG	Specific Conductance	190.8	µS/cm	CALA-20-199170
R-6i	602.0	8/25/2021	WG	Specific Conductance	188.4	µS/cm	CALA-21-232070
R-6i	602.0	9/6/2022	WG	Specific Conductance	184.7	µS/cm	CALA-22-258566
R-6i	602.0	9/5/2023	WG	Specific Conductance	188.1	µS/cm	CALA-23-295747
R-6i	602.0	9/9/2019	WG	Temperature	17.7	deg C	CALA-19-185297
R-6i	602.0	8/25/2020	WG	Temperature	17.8	deg C	CALA-20-199170
R-6i	602.0	8/25/2021	WG	Temperature	17.5	deg C	CALA-21-232070
R-6i	602.0	9/6/2022	WG	Temperature	18.2	deg C	CALA-22-258566
R-6i	602.0	9/5/2023	WG	Temperature	18.1	deg C	CALA-23-295747
R-6i	602.0	9/9/2019	WG	Turbidity	0.64	NTU	CALA-19-185297
R-6i	602.0	8/25/2020	WG	Turbidity	0.11	NTU	CALA-20-199170
R-6i	602.0	8/25/2021	WG	Turbidity	2.73	NTU	CALA-21-232070
R-6i	602.0	9/6/2022	WG	Turbidity	2.38	NTU	CALA-22-258566
R-6i	602.0	9/5/2023	WG	Turbidity	0.06	NTU	CALA-23-295747
R-7 S3[g]	895.5	12/14/2020	WG	Dissolved Oxygen	4.4	mg/L	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	Dissolved Oxygen	4.29	mg/L	CALA-21-229495

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-7 S3	895.5	8/27/2021	WG	Dissolved Oxygen	4.51	mg/L	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	Dissolved Oxygen	4.41	mg/L	CALA-22-258585
R-7 S3	895.5	9/15/2023	WG	Dissolved Oxygen	4.43	mg/L	CALA-23-295760
R-7 S3	895.5	12/14/2020	WG	Flow (in gpm)	4.55	gpm	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	Flow (in gpm)	4.35	gpm	CALA-21-229495
R-7 S3	895.5	8/27/2021	WG	Flow (in gpm)	4.11	gpm	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	Flow (in gpm)	4.47	gpm	CALA-22-258585
R-7 S3	895.5	9/15/2023	WG	Flow (in gpm)	4.48	gpm	CALA-23-295760
R-7 S3	895.5	12/14/2020	WG	Oxidation-Reduction Potential	-37.6	mV	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	Oxidation-Reduction Potential	15.8	mV	CALA-21-229495
R-7 S3	895.5	8/27/2021	WG	Oxidation-Reduction Potential	-145.2	mV	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	Oxidation-Reduction Potential	-60.1	mV	CALA-22-258585
R-7 S3	895.5	9/15/2023	WG	Oxidation-Reduction Potential	-17	mV	CALA-23-295760
R-7 S3	895.5	12/14/2020	WG	pH	7.61	SU	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	pH	7.89	SU	CALA-21-229495
R-7 S3	895.5	8/27/2021	WG	pH	8.05	SU	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	pH	8.26	SU	CALA-22-258585
R-7 S3	895.5	9/15/2023	WG	pH	8.35	SU	CALA-23-295760
R-7 S3	895.5	12/14/2020	WG	Specific Conductance	126.6	µS/cm	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	Specific Conductance	131.5	µS/cm	CALA-21-229495
R-7 S3	895.5	8/27/2021	WG	Specific Conductance	138.9	µS/cm	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	Specific Conductance	135.2	µS/cm	CALA-22-258585
R-7 S3	895.5	9/15/2023	WG	Specific Conductance	137	µS/cm	CALA-23-295760
R-7 S3	895.5	12/14/2020	WG	Temperature	16.7	deg C	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	Temperature	17.6	deg C	CALA-21-229495
R-7 S3	895.5	8/27/2021	WG	Temperature	16.8	deg C	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	Temperature	18	deg C	CALA-22-258585

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-7 S3	895.5	9/15/2023	WG	Temperature	17.5	deg C	CALA-23-295760
R-7 S3	895.5	12/14/2020	WG	Turbidity	3.2	NTU	CALA-21-211100
R-7 S3	895.5	6/10/2021	WG	Turbidity	1.53	NTU	CALA-21-229495
R-7 S3	895.5	8/27/2021	WG	Turbidity	0.71	NTU	CALA-21-232092
R-7 S3	895.5	9/15/2022	WG	Turbidity	1.44	NTU	CALA-22-258585
R-7 S3	895.5	9/15/2023	WG	Turbidity	0.52	NTU	CALA-23-295760
R-8 S1[h]	705.31	2/23/2021	WG	Dissolved Oxygen	8.16	mg/L	CALA-21-218073
R-8 S1	705.31	6/23/2021	WG	Dissolved Oxygen	7.79	mg/L	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	Dissolved Oxygen	7.84	mg/L	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	Dissolved Oxygen	7.74	mg/L	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	Dissolved Oxygen	9.16	mg/L	CALA-23-295762
R-8 S1	705.31	2/23/2021	WG	Flow (in gpm)	5	gpm	CALA-21-218073
R-8 S1	705.31	6/23/2021	WG	Flow (in gpm)	5	gpm	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	Flow (in gpm)	4.76	gpm	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	Flow (in gpm)	4.91	gpm	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	Flow (in gpm)	4.92	gpm	CALA-23-295762
R-8 S1	705.31	2/23/2021	WG	Oxidation-Reduction Potential	133.2	mV	CALA-21-218073
R-8 S1	705.31	6/23/2021	WG	Oxidation-Reduction Potential	121.2	mV	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	Oxidation-Reduction Potential	70.6	mV	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	Oxidation-Reduction Potential	104.4	mV	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	Oxidation-Reduction Potential	106.7	mV	CALA-23-295762
R-8 S1	705.31	2/23/2021	WG	pH	8.45	SU	CALA-21-218073
R-8 S1	705.31	6/23/2021	WG	pH	8.28	SU	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	pH	8.43	SU	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	pH	8.29	SU	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	pH	8.28	SU	CALA-23-295762
R-8 S1	705.31	2/23/2021	WG	Specific Conductance	155.5	µS/cm	CALA-21-218073

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-8 S1	705.31	6/23/2021	WG	Specific Conductance	160.6	µS/cm	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	Specific Conductance	160.1	µS/cm	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	Specific Conductance	161	µS/cm	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	Specific Conductance	164.6	µS/cm	CALA-23-295762
R-8 S1	705.31	2/23/2021	WG	Temperature	22.4	deg C	CALA-21-218073
R-8 S1	705.31	6/23/2021	WG	Temperature	23	deg C	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	Temperature	22.8	deg C	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	Temperature	22.5	deg C	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	Temperature	22.8	deg C	CALA-23-295762
R-8 S1	705.31	2/23/2021	WG	Turbidity	0.55	NTU	CALA-21-218073
R-8 S1	705.31	6/23/2021	WG	Turbidity	0.47	NTU	CALA-21-229499
R-8 S1	705.31	8/16/2021	WG	Turbidity	1.03	NTU	CALA-21-232080
R-8 S1	705.31	9/7/2022	WG	Turbidity	1.51	NTU	CALA-22-258592
R-8 S1	705.31	9/5/2023	WG	Turbidity	1.47	NTU	CALA-23-295762
R-8 S2	821.3	6/23/2021	WG	Dissolved Oxygen	6.2	mg/L	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	Dissolved Oxygen	6.6	mg/L	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	Dissolved Oxygen	8.83	mg/L	CALA-22-236930
R-8 S2	821.3	9/7/2022	WG	Dissolved Oxygen	6.10	mg/L	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	Dissolved Oxygen	7.17	mg/L	CALA-23-295764
R-8 S2	821.3	6/23/2021	WG	Flow (in gpm)	4.84	gpm	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	Flow (in gpm)	4.76	gpm	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	Flow (in gpm)	4.83	gpm	CALA-22-236930
R-8 S2	821.3	9/7/2022	WG	Flow (in gpm)	4.91	gpm	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	Flow (in gpm)	4.84	gpm	CALA-23-295764
R-8 S2	821.3	6/23/2021	WG	Oxidation-Reduction Potential	106.8	mV	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	Oxidation-Reduction Potential	113.1	mV	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	Oxidation-Reduction Potential	125.6	mV	CALA-22-236930

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-8 S2	821.3	9/7/2022	WG	Oxidation-Reduction Potential	111.3	mV	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	Oxidation-Reduction Potential	131.5	mV	CALA-23-295764
R-8 S2	821.3	6/23/2021	WG	pH	8.6	SU	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	pH	8.68	SU	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	pH	8.54	SU	CALA-22-236930
R-8 S2	821.3	9/7/2022	WG	pH	8.59	SU	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	pH	8.49	SU	CALA-23-295764
R-8 S2	821.3	6/23/2021	WG	Specific Conductance	158.6	µS/cm	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	Specific Conductance	164.3	µS/cm	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	Specific Conductance	165.5	µS/cm	CALA-22-236930
R-8 S2	821.3	9/7/2022	WG	Specific Conductance	158.3	µS/cm	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	Specific Conductance	173.7	µS/cm	CALA-23-295764
R-8 S2	821.3	6/23/2021	WG	Temperature	23.9	deg C	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	Temperature	23	deg C	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	Temperature	22.1	deg C	CALA-22-236930
R-8 S2	821.3	9/7/2022	WG	Temperature	23.6	deg C	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	Temperature	24.5	deg C	CALA-23-295764
R-8 S2	821.3	6/23/2021	WG	Turbidity	0.9	NTU	CALA-21-229504
R-8 S2	821.3	8/17/2021	WG	Turbidity	2.35	NTU	CALA-21-232082
R-8 S2	821.3	12/20/2021	WG	Turbidity	0.89	NTU	CALA-22-236930
R-8 S2	821.3	9/7/2022	WG	Turbidity	0.89	NTU	CALA-22-258596
R-8 S2	821.3	9/5/2023	WG	Turbidity	0.54	NTU	CALA-23-295764
R-9	683.0	9/16/2019	WG	Dissolved Oxygen	5.69	mg/L	CALA-19-185316
R-9	683.0	8/26/2020	WG	Dissolved Oxygen	5.74	mg/L	CALA-20-199313
R-9	683.0	8/18/2021	WG	Dissolved Oxygen	5.84	mg/L	CALA-21-232088
R-9	683.0	9/20/2022	WG	Dissolved Oxygen	5.96	mg/L	CALA-22-258640
R-9	683.0	9/11/2023	WG	Dissolved Oxygen	5.81	mg/L	CALA-23-295770

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-9	683.0	9/16/2019	WG	Flow (in gpm)	9.09	gpm	CALA-19-185316
R-9	683.0	8/26/2020	WG	Flow (in gpm)	7.89	gpm	CALA-20-199313
R-9	683.0	8/18/2021	WG	Flow (in gpm)	7	gpm	CALA-21-232088
R-9	683.0	9/20/2022	WG	Flow (in gpm)	6.12	gpm	CALA-22-258640
R-9	683.0	9/11/2023	WG	Flow (in gpm)	4.96	gpm	CALA-23-295770
R-9	683.0	9/16/2019	WG	Oxidation-Reduction Potential	211.3	mV	CALA-19-185316
R-9	683.0	8/26/2020	WG	Oxidation-Reduction Potential	135.5	mV	CALA-20-199313
R-9	683.0	8/18/2021	WG	Oxidation-Reduction Potential	262.5	mV	CALA-21-232088
R-9	683.0	9/20/2022	WG	Oxidation-Reduction Potential	91.1	mV	CALA-22-258640
R-9	683.0	9/11/2023	WG	Oxidation-Reduction Potential	139.9	mV	CALA-23-295770
R-9	683.0	9/16/2019	WG	pH	7.93	SU	CALA-19-185316
R-9	683.0	8/26/2020	WG	pH	7.81	SU	CALA-20-199313
R-9	683.0	8/18/2021	WG	pH	8.14	SU	CALA-21-232088
R-9	683.0	9/20/2022	WG	pH	8.01	SU	CALA-22-258640
R-9	683.0	9/11/2023	WG	pH	8.04	SU	CALA-23-295770
R-9	683.0	9/16/2019	WG	Specific Conductance	250.6	µS/cm	CALA-19-185316
R-9	683.0	8/26/2020	WG	Specific Conductance	247	µS/cm	CALA-20-199313
R-9	683.0	8/18/2021	WG	Specific Conductance	252.8	µS/cm	CALA-21-232088
R-9	683.0	9/20/2022	WG	Specific Conductance	252	µS/cm	CALA-22-258640
R-9	683.0	9/11/2023	WG	Specific Conductance	255.8	µS/cm	CALA-23-295770
R-9	683.0	9/16/2019	WG	Temperature	22	deg C	CALA-19-185316
R-9	683.0	8/26/2020	WG	Temperature	22.7	deg C	CALA-20-199313
R-9	683.0	8/18/2021	WG	Temperature	22.4	deg C	CALA-21-232088
R-9	683.0	9/20/2022	WG	Temperature	22.4	deg C	CALA-22-258640
R-9	683.0	9/11/2023	WG	Temperature	22.2	deg C	CALA-23-295770
R-9	683.0	9/16/2019	WG	Turbidity	0.63	NTU	CALA-19-185316
R-9	683.0	8/26/2020	WG	Turbidity	0.36	NTU	CALA-20-199313

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-9	683.0	8/18/2021	WG	Turbidity	1.47	NTU	CALA-21-232088
R-9	683.0	9/20/2022	WG	Turbidity	0.63	NTU	CALA-22-258640
R-9	683.0	9/11/2023	WG	Turbidity	0.3	NTU	CALA-23-295770
R-9i S1	189.1	2/22/2021	WG	Dissolved Oxygen	5.31	mg/L	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	Dissolved Oxygen	4.85	mg/L	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	Dissolved Oxygen	4.73	mg/L	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	Dissolved Oxygen	4.48	mg/L	CALA-22-258570
R-9i S1	189.1	9/11/2023	WG	Dissolved Oxygen	4.42	mg/L	CALA-23-295756
R-9i S1	189.1	2/22/2021	WG	Flow (in gpm)	6.52	gpm	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	Flow (in gpm)	6.25	gpm	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	Flow (in gpm)	6.25	gpm	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	Flow (in gpm)	6.38	gpm	CALA-22-258570
R-9i S1	189.1	9/11/2023	WG	Flow (in gpm)	5.56	gpm	CALA-23-295756
R-9i S1	189.1	2/22/2021	WG	Oxidation-Reduction Potential	90.8	mV	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	Oxidation-Reduction Potential	77.5	mV	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	Oxidation-Reduction Potential	116.3	mV	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	Oxidation-Reduction Potential	50.9	mV	CALA-22-258570
R-9i S1	189.1	9/11/2023	WG	Oxidation-Reduction Potential	-36.6	mV	CALA-23-295756
R-9i S1	189.1	2/22/2021	WG	pH	7.32	SU	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	pH	7.31	SU	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	pH	7.24	SU	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	pH	7.15	SU	CALA-22-258570
R-9i S1	189.1	9/11/2023	WG	pH	7.29	SU	CALA-23-295756
R-9i S1	189.1	2/22/2021	WG	Specific Conductance	324.2	µS/cm	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	Specific Conductance	326.4	µS/cm	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	Specific Conductance	323.4	µS/cm	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	Specific Conductance	308.1	µS/cm	CALA-22-258570

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
R-9i S1	189.1	9/11/2023	WG	Specific Conductance	322	µS/cm	CALA-23-295756
R-9i S1	189.1	2/22/2021	WG	Temperature	11.7	deg C	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	Temperature	12.9	deg C	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	Temperature	12.5	deg C	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	Temperature	12.5	deg C	CALA-22-258570
R-9i S1	189.1	9/11/2023	WG	Temperature	13.1	deg C	CALA-23-295756
R-9i S1	189.1	2/22/2021	WG	Turbidity	0.76	NTU	CALA-21-218067
R-9i S1	189.1	6/24/2021	WG	Turbidity	6.43	NTU	CALA-21-229507
R-9i S1	189.1	8/24/2021	WG	Turbidity	2.95	NTU	CALA-21-232130
R-9i S1	189.1	9/20/2022	WG	Turbidity	1.16	NTU	CALA-22-258570
R-9i S1	189.1	9/11/2023	WG	Turbidity	0.29	NTU	CALA-23-295756
TA-53i	600.0	9/18/2019	WG	Dissolved Oxygen	7.73	mg/L	CALA-19-185302
TA-53i	600.0	9/11/2020	WG	Dissolved Oxygen	7.6	mg/L	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	Dissolved Oxygen	7.69	mg/L	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	Dissolved Oxygen	7.69	mg/L	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	Dissolved Oxygen	7.67	mg/L	CALA-23-295754
TA-53i	600.0	9/18/2019	WG	Flow (in gpm)	4.29	gpm	CALA-19-185302
TA-53i	600.0	9/11/2020	WG	Flow (in gpm)	4.34	gpm	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	Flow (in gpm)	4.17	gpm	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	Flow (in gpm)	4.34	gpm	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	Flow (in gpm)	4.16	gpm	CALA-23-295754
TA-53i	600.0	9/18/2019	WG	Oxidation-Reduction Potential	127.4	mV	CALA-19-185302
TA-53i	600.0	9/11/2020	WG	Oxidation-Reduction Potential	69.1	mV	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	Oxidation-Reduction Potential	237.6	mV	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	Oxidation-Reduction Potential	16.8	mV	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	Oxidation-Reduction Potential	108.7	mV	CALA-23-295754
TA-53i	600.0	9/18/2019	WG	pH	7	SU	CALA-19-185302

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement[a]	Measurement Units	Field Sample ID
TA-53i	600.0	9/11/2020	WG	pH	6.88	SU	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	pH	6.74	SU	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	pH	6.85	SU	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	pH	6.8	SU	CALA-23-295754
TA-53i	600.0	9/18/2019	WG	Specific Conductance	418.6	µS/cm	CALA-19-185302
TA-53i	600.0	9/11/2020	WG	Specific Conductance	446.7	µS/cm	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	Specific Conductance	443.4	µS/cm	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	Specific Conductance	452.2	µS/cm	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	Specific Conductance	454.1	µS/cm	CALA-23-295754
TA-53i	600.0	9/18/2019	WG	Temperature	15.2	deg C	CALA-19-185302
TA-53i	600.0	9/11/2020	WG	Temperature	14.7	deg C	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	Temperature	15.3	deg C	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	Temperature	15.5	deg C	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	Temperature	15.5	deg C	CALA-23-295754
TA-53i	600.0	9/18/2019	WG	Turbidity	1.03	NTU	CALA-19-185302
TA-53i	600.0	9/11/2020	WG	Turbidity	1.04	NTU	CASA-20-199319
TA-53i	600.0	8/20/2021	WG	Turbidity	1.29	NTU	CALA-21-232072
TA-53i	600.0	9/13/2022	WG	Turbidity	1.83	NTU	CALA-22-258574
TA-53i	600.0	9/20/2023	WG	Turbidity	0.48	NTU	CALA-23-295754

[a] Field measurement results are recorded from the field summary report.

[b] WG = Groundwater.

[c] gpm = Gallons per minute.

[d] SU = Standard unit.

[e] NTU = Nephelometric turbidity unit.

[f] S2 = Screen 2.

[g] S3 = Screen 3.

[h] S1 = Screen 1.

Appendix B

Groundwater Elevation Measurements
(on CD included with this document)

N3B RECORDS	
Media Information Page	
This is a placeholder page for a record that cannot be uploaded or would lose meaning or content if uploaded. The record can be requested through regdocs@em-la.doe.gov	
Document Date: 2/29/2024	**EM ID number:** 703103-01
Document Title: Appendix B Submittal of the 2024 Annual Periodic Monitoring Report for the Technical Area 21 Monitoring Group, Los Alamos Canyon Watershed	☒ **No restrictions** ☐ **UCNI** ☐ **Copyrighted**
Media type and quantity: 1 CD	**Software and version required to read media:** Adobe Acrobat 9.0
Other document numbers or notes: Files are too numerous and large to upload.	

Appendix C

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

The following pages provide lists of (1) acronyms, abbreviations, and symbols; (2) analytical laboratory qualifier codes; (3) validation qualifiers; and (4) background value sources that may be used in Appendix C. Please note that these comprehensive lists include terms used in prior periodic monitoring reports. This periodic monitoring report may not include all of the terms in the following 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	1,3-dinitro-5-nitroso-1,3,5-triazinane
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
HRGC/HRMS	high-resolution gas chromatography/high-resolution mass spectrometry
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IDL	instrument detection limit
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	1-nitroso-3,5-dinitro-1,3,5-triazine
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	1,3,5-trinitroso-1,3,5-triazine
TPU	total propagated uncertainty
UAL	upper acceptance limit
Sample Types	
WG	groundwater
WS	base flow
Field Prep Codes	
F	filtered
UF	unfiltered
Analysis Type Code	
DL	dilution
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REP	replicate of the initial analysis
RI	reissue
TOTC	calculated total
Sample Purpose	
FD	field duplicate
REG	regular
Analytical Method Category	
General Chemistry	general chemistry
HEXP	high explosives
HRGC/HRMS	high-resolution gas chromatography/high-resolution mass spectrometry
INORGANIC	inorganic
LCMS/MS	liquid chromatography [dual] mass spectrometry
LCMS/MS HIGH EXPLOSIVES	liquid chromatography [dual] mass spectrometry for high explosives
LCMS/MS PERCHLORATE	liquid chromatography [dual] mass spectrometry for perchlorate
LEGACY	legacy
PCBCONGENERS	PCB congeners
PESTPCB	pesticides/PCBs
RAD	radiological

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Analytical Method Category (continued)	
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbons
VOC	volatile organic compound
Detect Flag and Best Value Flag Codes	
N	no
Y	yes
Laboratory Codes	
AAL	Assaigai Analytical Laboratories, Inc.
ACCU	Acculabs Technologies, Inc.
ALTC	Alta Analytical Laboratory, Inc.
ARSL	American Radiation Services, Inc.
ATICO	Analytical Technologies, Inc., Historical code one
BABC	Edward S. Babcock & Sons, Inc., Riverside, CA
BAL	Brooks Applied Labs
CFA	Cape Fear Analytical, LLC, Wilmington, NC, Affiliate of GEL Laboratories, LLC, Charleston, SC
C-INC	Isotope and Nuclear Chemistry (LANL)
COAST	Coastal Science Laboratories, Inc.
CST	Chemical Sciences and Technology (LANL)
DRI	Desert Research Institute
EES6	Environmental Sciences (LANL)
GELC/GEL	GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC
GEO	Geochron Laboratories
HUFFMAN	Huffman Laboratories, Inc.
KA	KEMRON Environmental Services, Inc.
LVLI	Lionville Laboratory, Inc.
NA	not available
PARA	ALS Environmental, Ft. Collins, CO
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Weston Solutions (formerly Roy F. Weston), West Chester, PA
SGSW	Paradigm Environmental Services, Inc.
SHEALY	Shealy Labs
SILENS	Stable Isotopes Laboratory
STL2	Severn Trent Laboratories, Inc., Richland Historical
STLA	Severn Trent Laboratories, Inc., Los Angeles
STR	Severn Trent Laboratories, Inc., Richland

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
STSL	Severn Trent Laboratories, Inc., St. Louis
SwRI	Southwest Research Institute
UAZ	University of Arizona
UIL	University of Illinois
UMTL	University of Miami Tritium Lab
UNK	Unknown (from historical Environmental Remediation Database migration)

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

Analytical Laboratory Qualifiers

Qualifier	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).
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.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
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*	(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.
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*	(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.
J	(Organic/Inorganic)—The associated numerical value is an estimated quantity.
N	(Inorganic)—Spiked sample recovery was not within control limits.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
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.

Analytical Laboratory Qualifiers (continued)

Qualifier	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.
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

Qualifier	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 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

Background values in Table C-1 are background levels where available, as reported in the "Groundwater Background Investigation Report, Revision 5" (LANL 2016, 601920).

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. ERIDs were assigned by Los Alamos National Laboratory's (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).

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 ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.36	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.4	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00375	–	–	0.00839	0.116	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.02	–	–	–	–	0.017	mg/L	Y	J	J-	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	9.03	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	N	15	750	–	–	–	15	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0688	–	–	–	–	0.067	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	6.85	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.637	–	–	1.05	3.82	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.31	250	3.11	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	–	–	–	3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.775	–	–	0.89	3.1	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.121	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.771	15	–	0.623	2.2	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	5.07	–	–	1.03	2.69	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	25.3	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	2.36	200	–	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.925	1000	2.9	–	–	0.2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.951	–	–	1.95	6.78	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	3.65	–	–	0.6	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	10	0.459	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.5	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00499	–	–	0.00864	0.0463	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00499	–	–	0.00788	0.0631	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.95	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.2	–	–	15.3	57.5	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.529	5	–	0.213	0.465	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.06	–	–	0.302	–	–	pCi/L	Y	J	J	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.529	5	–	0.215	0.627	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	69.1	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	7.65	–	18.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.52	–	–	1.14	2.72	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	94.1	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	37	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0447	8	–	0.0923	0.354	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.42	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	100	1000	–	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	–	–	0.33	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.387	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.178	27.2	0.477	0.0226	0.057	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	28.8	–	0.0103	0.0293	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.196	30	0.201	0.0218	0.0337	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	N	1	63.1	9.29	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	13.7	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.68	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.7	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00487	–	–	0.00597	0.0752	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	UJ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	37.3	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	20.5	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.52	–	–	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	28.4	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	6.5	–	–	2.06	4.81	–	pCi/L	Y	UI	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.2	250	3.11	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	–	–	–	3	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.498	–	–	1.69	6.8	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	N	0.033	1.6	0.234	–	–	0.033	mg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.845	15	–	0.714	2.56	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	7.78	–	–	0.761	1.88	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	112	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	9.9	–	3.14	–	–	0.11	mg/L	Y	–	J-	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.386	1000	2.9	–	–	0.2	µg/L	Y	J	J	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.86	–	–	2.89	10.5	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	3.65	–	–	0.6	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.12	10	0.459	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.12	13.8	0.27	–	–	0.25	µg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00523	–	–	0.00523	0.0485	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00522	–	–	0.00977	0.0662	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	8.89	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	51	–	–	27.4	52.5	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.246	5	–	0.108	0.295	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.378	–	–	0.255	–	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.132	5	–	0.231	0.819	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	68.2	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	17.2	–	18.2	–	–	0.1	mg/L	Y	–	J	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.489	–	–	1.39	5.8	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	353	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	157	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0812	8	–	0.137	0.467	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.6	600	7.1	–	–	1.33	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	246	1000	–	–	–	2.38	mg/L	Y	–	J	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.94	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	502	20000	–	79.7	136	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2	30	0.992	–	–	0.067	µg/L	Y	–	J+	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.743	27.2	0.477	0.06	0.0761	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0356	28.8	–	0.0149	0.0391	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.67	30	0.201	0.0546	0.0451	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	N	1	63.1	9.29	–	–	1	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.74	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.9	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0134	–	–	0.0106	0.104	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.018	–	–	–	–	0.017	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	23.5	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	24	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.76	–	–	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	29	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.14	–	–	1.64	4.99	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	27.8	250	3.11	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	33.2	50	–	–	–	3	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.968	–	–	1.13	4.88	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0778	1.6	0.234	–	–	0.033	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.74	15	–	0.909	2.68	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	10.8	–	–	0.894	2.06	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	98	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	Y	219	1000	–	–	–	30	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	Y	1.97	15	–	–	–	0.5	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	6.22	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	5.27	200	–	–	–	2	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	26.2	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0029	–	–	2.56	8.66	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	24.6	200	3.65	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.47	10	0.459	–	–	0.085	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.3	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00299	–	–	0.00898	0.0556	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0239	–	–	0.012	0.0758	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	10.7	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.2	–	–	18.2	43.3	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.983	5	–	0.315	0.576	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.11	–	–	0.401	–	–	pCi/L	Y	J	J	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.128	5	–	0.248	0.866	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	68.4	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	17	–	18.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.818	–	–	1.13	4.15	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	327	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	179	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.193	8	–	0.116	0.495	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	1000	–	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0705	–	–	–	–	0.033	mg/L	Y	J	J+	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.456	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	173	20000	–	59.4	181	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.86	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.717	27.2	0.477	0.0529	0.061	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0363	28.8	–	0.0117	0.0313	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.619	30	0.201	0.0469	0.0361	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	N	1	63.1	9.29	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.72	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.5	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00862	–	–	0.0104	0.0887	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.055	–	–	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	29.5	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	N	15	750	–	–	–	15	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.267	–	–	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	17.7	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0848	–	–	1.34	4.75	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	31.7	250	3.11	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.22	50	–	–	–	3	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	Y	8.76	50	–	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.597	–	–	1.43	5.59	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	UJ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.149	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.196	15	–	0.607	2.57	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	6.77	–	–	0.812	2.18	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.9	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.46	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	221	200	–	–	–	2	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.36	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.9	–	–	2.56	8.88	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	959	200	3.65	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.344	10	0.459	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.575	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	22.5	401	–	–	–	0.592	ng/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	1.1	60	–	–	–	0.718	ng/L	Y	J	J	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	3.06	60	–	–	–	0.718	ng/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0116	–	–	0.00821	0.0359	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	–	–	0.00669	0.0489	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	5.36	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.5	–	–	24.5	53.6	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.294	5	–	0.175	0.492	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.361	–	–	0.214	–	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.0664	5	–	0.124	0.458	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	55.6	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	11.3	–	18.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.779	–	–	1.69	5.95	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	237	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	95.5	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0773	8	–	0.0833	0.293	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.3	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	1000	–	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.101	–	–	–	–	0.033	mg/L	Y	–	J+	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.851	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	189	20000	–	59.9	180	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.257	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.155	27.2	0.477	0.0209	0.0595	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0101	28.8	–	0.00717	0.0306	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	30	0.201	0.0174	0.0352	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	N	1	63.1	9.29	–	–	1	µg/L	Y	U	U	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	7.13	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295746	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.3	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.8	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00316	–	–	0.0138	0.0975	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00242	–	–	0.0126	0.0746	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.38	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.28	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	217	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	214	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	27.5	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Boron	B	Y	26	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.124	–	–	–	–	0.067	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.123	–	–	–	–	0.067	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	30.3	–	10.7	–	–	0.05	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	29.9	–	10.7	–	–	0.05	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	–	–	1.52	5.94	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.23	–	–	1.3	5.3	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.21	250	3.11	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.1	250	3.11	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.34	50	–	–	–	3	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.35	50	–	–	–	3	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.742	–	–	1.61	5.73	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.156	–	–	1.26	5.04	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.26	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.26	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.83	15	–	0.721	2.59	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.5	15	–	0.933	2.7	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	4.76	–	–	0.812	2.41	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross beta	GROSSB	N	1.61	–	–	0.693	2.24	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.5	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.3	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.34	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.28	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.32	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.32	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.9	–	–	8.56	9.33	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.86	–	–	2.65	9.91	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	3.65	–	–	0.6	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	3.65	–	–	0.6	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.8	10	0.459	–	–	0.17	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.84	10	0.459	–	–	0.17	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.87	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.9	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0134	–	–	0.00711	0.0497	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00313	–	–	0.00829	0.0582	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00268	–	–	0.00464	0.0678	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0157	–	–	0.0104	0.0793	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.19	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	4.18	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.88	–	–	22.2	61.3	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	29.1	–	–	18.6	77.6	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0848	5	–	0.124	0.457	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.513	5	–	0.171	0.405	–	pCi/L	Y	–	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.19	–	–	0.341	–	–	pCi/L	Y	J	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.896	–	–	0.312	–	–	pCi/L	Y	J	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	1.1	5	–	0.318	0.821	–	pCi/L	Y	–	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.383	5	–	0.261	0.854	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	52.9	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	52.2	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	15.7	–	18.2	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	15.6	–	18.2	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.625	–	–	1.52	5.7	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	–	–	1.69	5.72	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	229	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	340	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	338	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0601	8	–	0.124	0.462	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.25	8	–	0.144	0.471	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.58	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.52	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	1000	–	–	–	2.38	mg/L	Y	–	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	1000	–	–	–	2.38	mg/L	Y	–	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.886	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.857	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.73	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	2.71	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.35	27.2	0.477	0.0892	0.0738	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.24	27.2	0.477	0.0772	0.0577	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.047	28.8	–	0.0131	0.0379	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0491	28.8	–	0.0127	0.0297	–	pCi/L	Y	–	J	N3B-2023-4390	CAPU-23-295774	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.911	30	0.201	0.0666	0.0437	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.867	30	0.201	0.0584	0.0342	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	8.16	63.1	9.29	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Vanadium	V	Y	8.51	63.1	9.29	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4390	CAPU-23-295775	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0172	–	–	0.0101	0.0663	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.19	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	15.5	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	21.4	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	12.9	–	17.03	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.609	–	–	1.1	4.16	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	250	2.7	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.18	50	7.48	–	–	3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.16	–	–	0.732	3.19	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.438	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.945	15	–	0.592	2.74	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.626	–	–	0.775	2.71	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.4	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.16	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.68	1000	2.5	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.16	–	–	1.94	7.34	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.269	10	0.769	–	–	0.017	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.272	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.583	401	–	–	–	0.583	ng/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	0.844	60	–	–	–	0.707	ng/L	Y	J	J	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.707	60	–	–	–	0.707	ng/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00839	–	–	0.00515	0.039	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00629	–	–	0.00756	0.0531	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.16	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.1	–	–	15.4	56.4	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.45	5	–	0.336	0.595	–	pCi/L	Y	–	J+	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.7	–	–	0.406	–	–	pCi/L	Y	J	J+	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.255	5	–	0.228	0.767	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	72.1	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	9.75	–	16	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.82	–	–	1.37	5.51	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	56	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.171	8	–	0.0969	0.316	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.22	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	1000	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295759	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.465	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.289	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	27.2	0.715	0.0337	0.0712	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00303	28.8	–	0.0109	0.0366	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0759	30	0.336	0.0154	0.0422	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	9.2	63.1	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	4.57	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.51	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.8	–	–	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.7	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0124	–	–	0.00748	0.0768	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	J	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	14.1	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	N	15	750	–	–	–	15	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	10.4	–	17.03	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.23	–	–	1.5	5.87	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.41	250	2.7	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	7.48	–	–	3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.44	–	–	0.979	2.92	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.016	15	–	0.561	2.54	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	1.01	–	–	0.897	3.05	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.1	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.73	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.429	1000	2.5	–	–	0.2	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.169	–	–	2.75	9.56	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	–	–	0.6	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.151	10	0.769	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.209	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00394	–	–	0.00682	0.0365	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0157	–	–	0.00739	0.0498	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.08	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.39	–	–	20.8	33.1	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	2.52	5	–	0.439	0.438	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	2.67	–	–	0.476	–	–	pCi/L	Y	J	J	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.155	5	–	0.186	0.644	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	57.2	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	10.2	–	16	–	–	0.1	mg/L	Y	–	J+	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.247	–	–	1.32	5.32	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	115	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	51.3	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0488	8	–	0.0881	0.296	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.5	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97	1000	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4224	CALA-23-295767	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.582	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.529	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.406	27.2	0.715	0.0396	0.0736	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	28.8	–	0.0108	0.0378	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.258	30	0.336	0.0303	0.0436	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	4.3	63.1	11.4	–	–	1	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295767	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.4	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0218	–	–	0.0103	0.0842	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	UJ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.24	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	28.2	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	39	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.8	–	17.03	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.15	–	–	1.07	4.16	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.54	250	2.7	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.24	50	7.48	–	–	3	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.706	–	–	1.05	3.83	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	Y	3.77	1000	–	–	–	3	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.251	15	–	0.561	2.31	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	2.22	–	–	0.913	2.86	–	pCi/L	Y	U	UJ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.94	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.59	1000	2.5	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.828	–	–	1.79	6.82	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	–	–	0.6	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.684	10	0.769	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.613	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0142	–	–	0.00675	0.0376	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00203	–	–	0.00608	0.0513	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.2	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.54	–	–	15.4	56.8	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.5	5	–	0.297	0.462	–	pCi/L	Y	–	J+	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	2.34	–	–	0.399	–	–	pCi/L	Y	–	J+	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.831	5	–	0.266	0.718	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	70.9	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.3	–	16	–	–	0.1	mg/L	Y	–	J+	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.271	–	–	0.802	3.19	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	71.3	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.174	8	–	0.0693	0.314	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.59	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	135	1000	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4224	CALA-23-295769	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-66	819.4	09/06/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	–	–	0.33	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.523	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	27.2	0.715	0.0329	0.0717	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00914	28.8	–	0.00915	0.0368	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	30	0.336	0.0219	0.0425	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	12.2	63.1	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4224	CALA-23-295769	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.6	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00991	–	–	0.00992	0.0765	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0229	–	–	0.013	0.0708	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.019	–	–	–	–	0.017	mg/L	Y	J	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	15.2	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	14.9	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	19.9	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Boron	B	Y	18.5	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	15.6	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	15.3	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.909	–	–	1.52	5.05	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.672	–	–	1.21	4	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.1	250	3.11	–	–	0.134	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.1	250	3.11	–	–	0.134	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.135	–	–	1.22	3.8	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.57	–	–	1.13	4.38	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.51	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.35	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.156	15	–	0.473	2.45	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.07	15	–	0.727	2.43	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.174	–	–	0.707	2.59	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross beta	GROSSB	N	-0.0973	–	–	0.672	2.53	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.1	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.3	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.21	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.17	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.07	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.93	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.14	–	–	1.91	6.67	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.6	–	–	2.58	8.84	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.721	200	3.65	–	–	0.6	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.676	200	3.65	–	–	0.6	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.21	10	0.459	–	–	0.17	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.19	10	0.459	–	–	0.17	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.03	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.09	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0113	–	–	0.00754	0.035	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0112	–	–	0.00811	0.0417	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0000000022	–	–	0.00753	0.0477	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0247	–	–	0.0113	0.0568	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	0.479	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	0.5	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28	–	–	16.3	28.7	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-21.1	–	–	16.6	58.4	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.82	5	–	0.254	0.567	–	pCi/L	Y	–	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.372	5	–	0.155	0.396	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.82	–	–	0.275	–	–	pCi/L	Y	J	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.616	–	–	0.238	–	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.262	5	–	0.105	0.489	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.244	5	–	0.181	0.6	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	65.5	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	64.8	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	16.4	–	18.2	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	16.1	–	18.2	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.884	–	–	1.09	3.69	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.124	–	–	1.46	4.62	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	77.4	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	76	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0363	8	–	0.0658	0.229	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.06	8	–	0.117	0.397	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.37	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.35	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	1000	–	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	1000	–	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.652	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.538	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.064	–	–	–	–	0.02	mg/L	Y	–	U	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.077	–	–	–	–	0.02	mg/L	Y	–	U	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	705	20000	–	98.7	186	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	723	20000	–	99.7	184	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.225	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	0.224	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.192	27.2	0.477	0.0239	0.064	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.189	27.2	0.477	0.0269	0.0834	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00544	28.8	–	0.00769	0.0329	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0142	28.8	–	0.00871	0.0428	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0704	30	0.201	0.0146	0.0379	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.086	30	0.201	0.0168	0.0494	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	2.53	63.1	9.29	–	–	1	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Vanadium	V	Y	2.59	63.1	9.29	–	–	1	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	9.53	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Zinc	Zn	Y	9.03	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.58	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.6	–	–	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.9	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0109	–	–	0.00947	0.0843	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.48	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	26.5	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	N	15	750	–	–	–	15	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	12.2	–	17.03	–	–	0.05	mg/L	Y	N	J-	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.47	–	–	1.37	4.52	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.57	250	2.7	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	7.48	–	–	3	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0918	–	–	1.21	4.98	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.496	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.847	15	–	0.725	2.54	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.619	–	–	0.844	2.95	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.9	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.95	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.903	1000	2.5	–	–	0.2	µg/L	Y	J	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.19	–	–	2.9	9.76	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	–	–	0.6	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.118	10	0.769	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.203	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00964	–	–	0.0136	0.0895	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0193	–	–	0.0137	0.122	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.27	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29.1	–	–	22.2	83.6	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.53	5	–	0.156	0.345	–	pCi/L	Y	–	NQ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.1	–	–	0.348	–	–	pCi/L	Y	J	J	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.572	5	–	0.311	0.985	–	pCi/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	66.5	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	9.73	–	16	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.113	–	–	1.26	5.11	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	61.3	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.443	8	–	0.152	0.47	–	pCi/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.56	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	92	1000	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.783	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.035	–	–	–	–	0.02	mg/L	Y	J	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.7	27.2	0.715	0.0536	0.0671	–	pCi/L	Y	–	NQ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0285	28.8	–	0.00998	0.0345	–	pCi/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	30	0.336	0.0316	0.0397	–	pCi/L	Y	–	NQ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	6.22	63.1	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4390	CALA-23-295761	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.44	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.6	–	–	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.6	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0125	–	–	0.00725	0.0645	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.89	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	29.8	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	18.1	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.3	–	17.03	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.457	–	–	1.49	5.43	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.51	250	2.7	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	7.48	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.85	–	–	1.56	4.96	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.703	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.304	15	–	0.597	2.45	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	2.09	–	–	0.757	2.35	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.8	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.71	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.42	1000	2.5	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.87	–	–	3.15	9.65	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.648	200	2.9	–	–	0.6	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.695	10	0.769	–	–	0.085	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.319	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00395	–	–	0.00395	0.0367	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00592	–	–	0.00814	0.05	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.36	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-35	–	–	24.1	67.1	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.02	5	–	0.279	0.598	–	pCi/L	Y	–	J+	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.39	–	–	0.321	–	–	pCi/L	Y	J	J+	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.367	5	–	0.159	0.465	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	47.9	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.6	–	16	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.55	–	–	1.7	5.69	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	109	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0603	8	–	0.145	0.491	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.65	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	103	1000	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.616	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.023	–	–	–	–	0.02	mg/L	Y	J	U	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.305	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	27.2	0.715	0.0271	0.0602	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00256	28.8	–	0.00767	0.0309	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.12	30	0.336	0.0172	0.0356	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	15.3	63.1	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.79	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.64	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.4	–	–	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.8	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	Y	413	5000	–	–	–	68	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0307	–	–	0.00983	0.0729	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.78	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	51.5	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	23.4	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	–	–	0.067	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.5	–	17.03	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.32	–	–	1.05	4.2	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.69	250	2.7	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.15	50	7.48	–	–	3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0	–	–	1.04	4.24	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.705	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.762	15	–	0.511	1.61	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	-0.751	–	–	0.789	2.91	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.8	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.09	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.35	1000	2.5	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.65	–	–	1.72	6.69	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.628	10	0.769	–	–	0.017	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.334	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.013	–	–	0.00687	0.0402	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00217	–	–	0.00573	0.0549	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.42	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13	–	–	17.3	32.2	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.668	5	–	0.218	0.492	–	pCi/L	Y	–	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.881	–	–	0.259	–	–	pCi/L	Y	J	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.214	5	–	0.141	0.459	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	53.5	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	13.7	–	16	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.977	–	–	0.907	4.13	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	170	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0458	8	–	0.0957	0.329	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.89	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	1000	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.616	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.329	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.297	27.2	0.715	0.0309	0.0658	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	28.8	–	0.00887	0.0338	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	30	0.336	0.0171	0.0389	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	17.8	63.1	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.38	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	114	–	72.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00791	–	–	0.0112	0.122	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	–	–	0.017	mg/L	Y	U	UJ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.53	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	168	2000	38.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	50.3	750	–	–	–	15	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0982	–	–	–	–	0.067	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	23.2	–	17.03	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.281	–	–	1.03	4.07	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.69	250	2.7	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.84	50	7.48	–	–	3	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	–	–	1.01	3.51	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	UJ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.288	1.6	0.377	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	Y	3.5	15	–	1.09	2.1	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	27.3	–	–	1.93	2.79	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.7	–	67.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.47	–	4.18	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.29	1000	2.5	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.98	–	–	2.31	7.35	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	–	–	0.6	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.603	10	0.769	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.548	13.8	0.414	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0139	–	–	0.0101	0.0518	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0111	–	–	0.0104	0.0706	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	3.7	–	2.39	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.9	–	–	27.1	50.5	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.05	5	–	0.307	0.575	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.22	–	–	0.335	–	–	pCi/L	Y	J	J	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.17	5	–	0.132	0.447	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	76.1	–	81.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	18.3	–	16	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.35	–	–	1.03	3.42	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	249	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	185	11800	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.157	8	–	0.105	0.345	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.48	600	4.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	1000	161	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	–	–	0.33	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	–	–	–	–	0.02	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.8	30	1.19	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.17	27.2	0.715	0.0751	0.0604	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0205	28.8	–	0.00817	0.031	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.625	30	0.336	0.0471	0.0357	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	11.2	63.1	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295771	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.6	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.9	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0116	–	–	0.00673	0.0598	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.02	–	–	–	–	0.017	mg/L	Y	J	J-	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.26	10	–	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	38.3	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	30.5	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.189	–	–	–	–	0.067	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	21.7	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.41	–	–	1.23	4.6	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	36.8	250	3.11	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	50	–	–	–	3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.357	–	–	1.03	4.18	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	UJ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.201	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1	15	–	0.775	2.67	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	4.44	–	–	1.01	2.71	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.7	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	Y	170	1000	–	–	–	30	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.62	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	3.25	200	–	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	5.14	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.37	–	–	2.07	6.37	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.4	200	3.65	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	10	0.459	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.19	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	17.7	401	–	–	–	0.579	ng/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	12.2	60	–	–	–	0.701	ng/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.47	60	–	–	–	0.701	ng/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00309	–	–	0.00818	0.0574	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00309	–	–	0.0102	0.0783	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.68	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.75	–	–	18.1	39.1	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.723	5	–	0.251	0.508	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.08	–	–	0.324	–	–	pCi/L	Y	J	J	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.362	5	–	0.205	0.653	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	38.3	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	25.6	–	18.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.187	–	–	0.975	3.93	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	316	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	134	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0596	8	–	0.12	0.405	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.2	600	7.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	182	1000	–	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0374	–	–	–	–	0.033	mg/L	Y	J	J+	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.576	–	–	–	–	0.33	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.03	–	–	–	–	0.02	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.724	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.255	27.2	0.477	0.0268	0.0567	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00723	28.8	–	0.00995	0.0291	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.234	30	0.201	0.0245	0.0336	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	1.17	63.1	9.29	–	–	1	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	10000	–	–	–	3.3	µg/L	Y	U	U	N3B-2023-4264	CALA-23-295757	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	–	–	–	–	0.01	SU	Y	H	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	0.725	–	–	–	–	0.725	mg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	–	62	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	5000	–	–	–	68	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00684	–	–	0.00684	0.0704	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.018	–	–	–	–	0.017	mg/L	Y	J	J-	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Antimony	Sb	N	1	6	–	–	–	1	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	10	–	–	–	2	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	55.7	2000	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Beryllium	Be	N	1	4	–	–	–	1	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	33.8	750	–	–	–	15	µg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.55	–	–	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Cadmium	Cd	N	0.3	5	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	49.8	–	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.641	–	–	1.77	7.07	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39	250	3.11	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.96	50	–	–	–	3	µg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	N	1	50	–	–	–	1	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.05	–	–	2.42	9.53	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	N	3	1000	–	–	–	3	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	–	–	–	0.00167	mg/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.262	1.6	0.234	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.5	15	–	0.777	2.26	–	pCi/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	8.94	–	–	1.18	2.39	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	174	–	37.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	1000	–	–	–	30	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	15	–	–	–	0.5	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	12	–	3.14	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	200	–	–	–	2	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	INORGANIC	SW-846:7470A	Mercury	Hg	N	0.067	2	–	–	–	0.067	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	139	1000	2.9	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.47	–	–	3.24	12	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.16	200	3.65	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	10	0.459	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.767	13.8	0.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	1.76	401	–	–	–	0.563	ng/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.683	60	–	–	–	0.683	ng/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.683	60	–	–	–	0.683	ng/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0241	–	–	0.00971	0.0497	–	pCi/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	–	–	0.0114	0.0678	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	6.88	–	2.35	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-30.3	–	–	25.4	93.5	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.81	5	–	0.211	0.472	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.3	–	–	0.342	–	–	pCi/L	Y	J	J	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.492	5	–	0.269	0.85	–	pCi/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Selenium	Se	N	1.5	50	–	–	–	1.5	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	63.5	–	75	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Silver	Ag	N	0.3	50	–	–	–	0.3	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	21.8	–	18.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC

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Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	NMED GW CONS Limit	Background Level	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.97	–	–	1.95	5.5	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	447	–	–	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	305	11800	59.6	–	–	1	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.21	8	–	0.128	0.46	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	39.3	600	7.1	–	–	1.33	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Thallium	Tl	N	0.6	2	–	–	–	0.6	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Tin	Sn	N	1	12000	–	–	–	1	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	306	1000	–	–	–	2.38	mg/L	Y	–	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	–	–	0.033	mg/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.4	–	–	–	–	0.33	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	–	–	–	–	0.02	mg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.08	30	0.992	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.66	27.2	0.477	0.109	0.083	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.06	28.8	–	0.0157	0.0427	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.728	30	0.201	0.0588	0.0492	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	N	1	63.1	9.29	–	–	1	µg/L	Y	U	U	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.12	10000	–	–	–	3.3	µg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	–	–	0.01	SU	Y	H	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.14	–	–	0.01	SU	Y	H	J	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	–	–	0.01	SU	Y	H	J	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.36	–	–	0.01	SU	Y	H	J	N3B-2023-4264	CALA-23-295077	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	43.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	42.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	44.6	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.4	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	0.0354	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00558	0.0118	0.0506	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0174	0.0159	0.0617	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00354	0.0128	0.0569	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00375	0.00839	0.116	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	–	–	0.017	mg/L	Y	J	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0368	–	–	0.017	mg/L	Y	J	U	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0401	–	–	0.017	mg/L	Y	J	U	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0439	–	–	0.017	mg/L	Y	J	J	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.02	–	–	0.017	mg/L	Y	J	J-	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.18	–	–	1	µg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9	–	–	1	µg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	8.73	–	–	1	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	8.38	–	–	1	µg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	9.03	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	–	–	0.067	mg/L	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0688	–	–	0.067	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.51	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	7.04	–	–	0.05	mg/L	Y	–	J-	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	6.92	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	6.38	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	6.85	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	4.53	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.4	1.22	4.09	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.676	0.997	3.55	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.84	1.45	5.55	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.637	1.05	3.82	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	–	–	0.067	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.52	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.44	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.31	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.31	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	4.35	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.19	1.44	4.76	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.486	0.942	3.65	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.326	1.5	6.05	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.775	0.89	3.1	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0499	–	–	0.033	mg/L	Y	J	J	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.189	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.245	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.121	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	2.77	–	pCi/L	Y	–	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.39	1.07	2.48	–	pCi/L	Y	–	NQ	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.3	0.81	2.09	–	pCi/L	Y	–	J	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.732	0.826	2.83	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.771	0.623	2.2	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	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	2.97	–	pCi/L	Y	–	NQ	N3B-2019-3260	CALA-19-185289	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.65	1.01	2.69	–	pCi/L	Y	–	NQ	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.32	0.958	2.7	–	pCi/L	Y	–	J	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	6.24	1.06	2.83	–	pCi/L	Y	–	NQ	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	5.07	1.03	2.69	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	24.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	26.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	25.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	23.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	25.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.01	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.2	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	1.95	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	1.85	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	2.36	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.46	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.01	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.09	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.925	–	–	0.2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	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	7.53	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.45	2.26	7.97	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.05	2.34	8.11	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.3	2.66	8.4	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.951	1.95	6.78	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.62	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.484	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.498	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.426	–	–	0.05	µg/L	Y	–	J	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.445	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.464	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.415	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.5	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	0.0443	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00451	0.00958	0.0491	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0117	0.0109	0.0687	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0105	0.0064	0.0525	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00499	0.00864	0.0463	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	0.0478	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00677	0.0113	0.0664	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0146	0.00968	0.0714	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00784	0.00942	0.0554	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00499	0.00788	0.0631	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.64	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.13	–	–	0.05	mg/L	Y	–	J+	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.77	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.47	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.95	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	64.7	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.9	16.7	75.9	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-33	12.8	46.9	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-38.7	29.8	96.3	–	pCi/L	Y	U	UJ	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.2	15.3	57.5	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	05/07/2005	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0489	0.0847	0.321	–	pCi/L	Y	U	U	136186	GU05050G11L01	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.512	0.181	0.472	–	pCi/L	Y	–	NQ	N3B-2020-1683	CALA-20-199157	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.602	0.222	0.621	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.509	0.224	0.649	–	pCi/L	Y	U	UJ	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.529	0.213	0.465	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.788	0.23	–	–	pCi/L	Y	–	NQ	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.42	0.287	–	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	2.26	0.425	–	–	pCi/L	Y	J	J	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.06	0.302	–	–	pCi/L	Y	J	J	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	06/03/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	5.27	8.97	24.7	–	pCi/L	Y	U	U	114323	GU04050G11L01	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.277	0.143	0.46	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.817	0.182	0.465	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	1.75	0.361	0.697	–	pCi/L	Y	–	NQ	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.529	0.215	0.627	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.8	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	65	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	69.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	8.03	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	7.97	–	–	0.1	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	7.34	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	6.93	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	7.65	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	3.78	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0	1.2	4.85	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.597	1.04	4.39	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.37	1.37	4.02	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.52	1.14	2.72	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	103	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	92.9	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	102	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	94.1	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	37.2	–	–	1	µg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	41	–	–	1	µg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	36.3	–	–	1	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	35.9	–	–	1	µg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	37	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	0.483	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.138	0.079	0.26	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0976	0.143	0.486	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0723	0.0844	0.282	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0447	0.0923	0.354	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295076	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	–	–	0.133	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.37	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.88	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.28	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.42	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	–	–	3.4	mg/L	Y	–	J	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107	–	–	2.38	mg/L	Y	–	J	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	100	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.26	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.308	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.333	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	N	0.348	–	–	0.067	µg/L	Y	–	U	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.387	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295077	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	0.107	–	pCi/L	Y	–	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.301	0.0505	0.137	–	pCi/L	Y	–	NQ	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.208	0.0274	0.0736	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.235	0.0448	0.0794	–	pCi/L	Y	–	NQ	N3B-2022-3194	CALA-22-258547	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.178	0.0226	0.057	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	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	0.0802	–	pCi/L	Y	U	U	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0817	0.0292	0.0903	–	pCi/L	Y	U	U	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0107	0.0118	0.0551	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00493	0.0178	0.0775	–	pCi/L	Y	U	U	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0194	0.0103	0.0293	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295076	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	0.0718	–	pCi/L	Y	–	NQ	N3B-2019-3260	CALA-19-185289	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.308	0.0468	0.122	–	pCi/L	Y	–	NQ	N3B-2020-1683	CALA-20-199157	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.216	0.0281	0.0724	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232062	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.271	0.0406	0.0835	–	pCi/L	Y	–	NQ	N3B-2022-3194	CALA-22-258547	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.196	0.0218	0.0337	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295076	GELC
LAOI(a)-1.1	295.2	09/10/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	15.8	–	–	3.3	µg/L	Y	J	U	N3B-2019-3260	CALA-19-185290	GELC
LAOI(a)-1.1	295.2	09/01/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10.4	–	–	3.3	µg/L	Y	J	U	N3B-2020-1683	CALA-20-199158	GELC
LAOI(a)-1.1	295.2	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.78	–	–	3.3	µg/L	Y	J	J	N3B-2021-2347	CALA-21-232063	GELC
LAOI(a)-1.1	295.2	09/14/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	–	–	3.3	µg/L	Y	U	U	N3B-2022-3194	CALA-22-258548	GELC
LAOI(a)-1.1	295.2	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	13.7	–	–	3.3	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295077	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.91	–	–	0.01	SU	Y	H	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.9	–	–	0.01	SU	Y	H	J	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.9	–	–	0.01	SU	Y	H	J	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.68	–	–	0.01	SU	Y	H	J	N3B-2023-4431	CALA-23-295084	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.6	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.7	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	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	0.0262	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0136	0.008	0.0351	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0114	0.0114	0.0672	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.037	0.0207	0.0661	–	pCi/L	Y	U	UJ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00487	0.00597	0.0752	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.5	–	–	1	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37	–	–	1	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	35.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	34.7	–	–	1	µg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	37.3	–	–	1	µg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15	–	–	15	µg/L	Y	U	U	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	17.1	–	–	15	µg/L	Y	J	J	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	15.1	–	–	15	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	N	15	–	–	15	µg/L	Y	U	U	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	20.5	–	–	15	µg/L	Y	J	J	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.6	–	–	0.067	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.47	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.54	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.49	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.52	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	28.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	27.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	28.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	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	3.79	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.427	1.59	5.05	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.31	1.29	4.6	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.15	1.83	6.64	–	pCi/L	Y	U	UJ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	6.5	2.06	4.81	–	pCi/L	Y	UI	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	32.8	–	–	0.335	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	31.5	–	–	0.67	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.6	–	–	0.335	mg/L	Y	–	J+	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.7	–	–	0.335	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	35.2	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
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	4.68	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.969	1.14	5.08	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.77	1.43	6.71	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.638	1.85	7.05	–	pCi/L	Y	U	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.498	1.69	6.8	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.37	0.996	2.74	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0111	0.654	2.82	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.81	1.07	2.82	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	Y	3.95	1.2	2.65	–	pCi/L	Y	–	NQ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.845	0.714	2.56	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.37	1.04	2.84	–	pCi/L	Y	–	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	16.6	1.27	2.38	–	pCi/L	Y	–	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	6.65	1.16	2.96	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	9.97	1.29	2.8	–	pCi/L	Y	–	NQ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	7.78	0.761	1.88	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	98.9	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	105	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	106	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	103	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	112	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.78	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.41	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.43	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	8.44	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	9.9	–	–	0.11	mg/L	Y	–	J-	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.389	–	–	0.2	µg/L	Y	J	J	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.385	–	–	0.2	µg/L	Y	J	J	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.326	–	–	0.2	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.35	–	–	0.2	µg/L	Y	J	J	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.386	–	–	0.2	µg/L	Y	J	J	N3B-2023-4431	CALA-23-295084	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	6.41	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.83	2.58	9.79	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.43	3.15	11.9	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.39	2.94	10.1	–	pCi/L	Y	U	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.86	2.89	10.5	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	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	–	–	0.085	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.64	–	–	0.085	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.59	–	–	0.085	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	–	–	0.085	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.12	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.64	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	2.64	–	–	0.1	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.99	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.26	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.12	–	–	0.25	µg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	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	0.0402	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00847	0.0134	0.0921	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.011	0.0151	0.0648	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00775	0.0145	0.0778	–	pCi/L	Y	U	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00523	0.00523	0.0485	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	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	0.0434	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00424	0.0153	0.125	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.022	0.0129	0.0674	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00387	0.015	0.0822	–	pCi/L	Y	U	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00522	0.00977	0.0662	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.33	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.41	–	–	0.05	mg/L	Y	–	J+	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.23	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	7.99	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	8.89	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	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	34.9	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.2	19.2	79.1	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3	17.4	72.4	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	62.3	27.2	48.4	–	pCi/L	Y	UI	UJ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	51	27.4	52.5	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	07/08/2009	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.253	0.12	0.28	–	pCi/L	Y	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.348	0.15	0.428	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.751	0.213	0.514	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.494	0.169	0.344	–	pCi/L	Y	–	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.246	0.108	0.295	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.348	0.198	–	–	pCi/L	Y	–	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.67	0.335	–	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.11	0.303	–	–	pCi/L	Y	J	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.378	0.255	–	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	07/08/2009	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.777	0.31	0.91	–	pCi/L	Y	U	U	09-2583	CALA-09-11149	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.15	0.13	0.523	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.915	0.258	0.768	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.62	0.251	0.74	–	pCi/L	Y	U	UJ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.132	0.231	0.819	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.4	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.4	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	70.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	68.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.7	–	–	0.1	mg/L	Y	N	J-	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.1	–	–	0.1	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.6	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	16.4	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	17.2	–	–	0.1	mg/L	Y	–	J	N3B-2023-4431	CALA-23-295084	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	2.78	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.927	1.46	5.46	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.36	1.56	6.61	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.168	1.92	7.05	–	pCi/L	Y	U	U	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.489	1.39	5.8	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	290	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	324	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	347	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	346	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	353	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137	–	–	1	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	143	–	–	1	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	137	–	–	1	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	143	–	–	1	µg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	157	–	–	1	µg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	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	0.481	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.172	0.146	0.49	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0726	0.0951	0.37	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.322	0.151	0.482	–	pCi/L	Y	U	UJ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0812	0.137	0.467	–	pCi/L	Y	U	U	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.1	–	–	0.133	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.3	–	–	0.133	mg/L	Y	–	J+	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18.6	–	–	1.33	mg/L	Y	–	NQ	N3B-2023-4431	CALA-23-295084	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	250	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	369	–	–	3.4	mg/L	Y	–	J	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	244	–	–	3.4	mg/L	Y	–	J	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	232	–	–	2.38	mg/L	Y	–	J	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	246	–	–	2.38	mg/L	Y	–	J	N3B-2023-4431	CALA-23-295084	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	–	–	0.33	mg/L	Y	J	J	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.858	–	–	0.33	mg/L	Y	J	J	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.725	–	–	0.33	mg/L	Y	J	J	N3B-2021-2369	CALA-21-232064	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.638	–	–	0.33	mg/L	Y	J	J	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.94	–	–	0.33	mg/L	Y	J	J	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1120	85.2	160	–	pCi/L	Y	–	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1090	70.7	140	–	pCi/L	Y	–	NQ	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1060	69.3	128	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	671	86.2	119	–	pCi/L	Y	–	NQ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	502	79.7	136	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	GELC
LAOI-3.2	153.3	09/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.74	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185292	GELC
LAOI-3.2	153.3	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.82	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199161	GELC
LAOI-3.2	153.3	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.92	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232065	GELC
LAOI-3.2	153.3	09/12/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.95	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3165	CALA-22-258552	GELC
LAOI-3.2	153.3	09/18/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2	–	–	0.067	µg/L	Y	–	J+	N3B-2023-4431	CALA-23-295084	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	0.121	–	pCi/L	Y	–	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.577	0.064	0.124	–	pCi/L	Y	–	NQ	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.602	0.0457	0.0731	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.671	0.0634	0.0713	–	pCi/L	Y	–	NQ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.743	0.06	0.0761	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	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	0.0907	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0741	0.0249	0.0819	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0638	0.0181	0.0547	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0398	0.0173	0.0696	–	pCi/L	Y	U	UJ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0356	0.0149	0.0391	–	pCi/L	Y	U	UJ	N3B-2023-4431	CALA-23-295083	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	0.0812	–	pCi/L	Y	–	NQ	N3B-2019-3231	CALA-19-185291	GELC
LAOI-3.2	153.3	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.525	0.0572	0.111	–	pCi/L	Y	–	NQ	N3B-2020-1692	CALA-20-199160	GELC
LAOI-3.2	153.3	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.605	0.0436	0.0719	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232064	GELC
LAOI-3.2	153.3	09/12/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.669	0.0624	0.075	–	pCi/L	Y	–	NQ	N3B-2022-3165	CALA-22-258551	GELC
LAOI-3.2	153.3	09/18/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.67	0.0546	0.0451	–	pCi/L	Y	–	NQ	N3B-2023-4431	CALA-23-295083	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.97	–	–	0.01	SU	Y	H	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.93	–	–	0.01	SU	Y	H	J	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.13	–	–	0.01	SU	Y	H	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.74	–	–	0.01	SU	Y	H	J	N3B-2023-4319	CALA-23-295086	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	0.0355	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00472	0.0111	0.0428	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0156	0.00972	0.0461	–	pCi/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00871	0.00963	0.0466	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0134	0.0106	0.104	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0454	–	–	0.017	mg/L	Y	J	U	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.11	–	–	0.017	mg/L	Y	–	U	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0262	–	–	0.017	mg/L	Y	J	U	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.018	–	–	0.017	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	22.3	–	–	1	µg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	21.9	–	–	1	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	20.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	21.8	–	–	1	µg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	23.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	20.6	–	–	15	µg/L	Y	J	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	26.3	–	–	15	µg/L	Y	J	J	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	19.9	–	–	15	µg/L	Y	J	J	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	20.5	–	–	15	µg/L	Y	J	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	24	–	–	15	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.28	–	–	0.067	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.38	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.5	–	–	0.067	mg/L	Y	–	J+	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.64	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.76	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	27.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	26.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	26.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	29	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	5.32	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.09	1.65	3.81	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.25	0.813	3	–	pCi/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.99	1.59	3.25	–	pCi/L	Y	U	UJ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.14	1.64	4.99	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	25.8	–	–	0.335	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	25.4	–	–	0.67	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	27.9	–	–	0.335	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	28.1	–	–	0.335	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	27.8	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3	–	–	3	µg/L	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	–	–	3	µg/L	Y	U	U	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	6.1	–	–	3	µg/L	Y	J	J	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	7.68	–	–	3	µg/L	Y	J	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	33.2	–	–	3	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	6.05	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.19	1.4	4.65	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0522	0.953	3.61	–	pCi/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.305	0.774	2.76	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.968	1.13	4.88	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.114	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.133	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	N	0.033	–	–	0.033	mg/L	Y	U	U	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.301	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.0778	–	–	0.033	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.75	1.04	2.75	–	pCi/L	Y	–	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.17	0.858	2.91	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.3	0.984	2.59	–	pCi/L	Y	U	UJ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.5	0.904	2.86	–	pCi/L	Y	U	UJ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.74	0.909	2.68	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.3	1.28	2.86	–	pCi/L	Y	–	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	16.7	1.28	2.47	–	pCi/L	Y	–	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	10	1.26	2.8	–	pCi/L	Y	–	J	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	9.07	1.19	2.95	–	pCi/L	Y	–	NQ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	10.8	0.894	2.06	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	91.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.4	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	98	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	UJ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	Y	49.7	–	–	30	µg/L	Y	J	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	Y	219	–	–	30	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	–	–	0.5	µg/L	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	–	–	0.5	µg/L	Y	U	U	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	N	0.5	–	–	0.5	µg/L	Y	U	U	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	Y	0.616	–	–	0.5	µg/L	Y	J	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Lead	Pb	Y	1.97	–	–	0.5	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.38	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.8	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.6	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	5.72	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	6.22	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	5.27	–	–	2	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	11.5	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	18.2	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	18.4	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	23.1	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	26.2	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	9.12	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.867	2.67	9.68	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.736	1.89	6.27	–	pCi/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.35	1.91	6.75	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0029	2.56	8.66	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.755	–	–	0.6	µg/L	Y	J	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	1	–	–	0.6	µg/L	Y	J	J	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.789	–	–	0.6	µg/L	Y	J	J	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	4.37	–	–	0.6	µg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	24.6	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	–	–	0.085	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.43	–	–	0.085	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.61	–	–	0.085	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.36	–	–	0.085	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.47	–	–	0.085	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.74	–	–	0.05	µg/L	Y	–	J	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.53	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.4	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.34	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.3	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	0.0382	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00793	0.0142	0.0574	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.016	0.101	–	pCi/L	Y	U	UJ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00248	0.00894	0.0498	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00299	0.00898	0.0556	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	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	0.0412	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0185	0.0137	0.0778	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0128	0.0128	0.105	–	pCi/L	Y	U	UJ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0124	0.0124	0.0526	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0239	0.012	0.0758	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.8	–	–	0.05	mg/L	Y	–	J+	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	10.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	10.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	10.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	71.6	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.572	15.9	59.6	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	40.4	18.8	28.2	–	pCi/L	Y	UI	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.61	14.3	55.3	–	pCi/L	Y	U	UJ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.2	18.2	43.3	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	01/08/2010	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.702	0.23	0.56	–	pCi/L	Y	–	NQ	10-1185	CALA-10-9171	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.381	0.196	0.603	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.23	0.239	0.392	–	pCi/L	Y	–	NQ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.432	0.159	0.398	–	pCi/L	Y	–	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.983	0.315	0.576	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.479	0.276	–	–	pCi/L	Y	–	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.23	0.301	–	–	pCi/L	Y	–	NQ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.02	0.248	–	–	pCi/L	Y	–	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.11	0.401	–	–	pCi/L	Y	J	J	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	01/08/2010	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.416	0.29	0.97	–	pCi/L	Y	U	U	10-1185	CALA-10-9171	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.098	0.193	0.688	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.124	0.183	0.691	–	pCi/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.589	0.19	0.487	–	pCi/L	Y	–	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.128	0.248	0.866	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	68.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	68.4	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.8	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.9	–	–	0.1	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.7	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	15.7	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	17	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	6.22	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.38	1.16	5.01	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.105	0.732	2.82	–	pCi/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.909	0.888	3.07	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.818	1.13	4.15	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	267	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	295	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	312	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	270	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	327	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	161	–	–	1	µg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	171	–	–	1	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	159	–	–	1	µg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	166	–	–	1	µg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	179	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	0.479	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.16	0.0797	0.29	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.193	0.138	0.457	–	pCi/L	Y	U	UJ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.458	0.162	0.492	–	pCi/L	Y	U	UJ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.193	0.116	0.495	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.5	–	–	0.133	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.3	–	–	0.133	mg/L	Y	–	J+	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.9	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.4	–	–	0.133	mg/L	Y	–	J+	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	18	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	216	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	190	–	–	3.4	mg/L	Y	–	J	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	226	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	217	–	–	2.38	mg/L	Y	–	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	203	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	–	–	0.033	mg/L	Y	J	J-	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	0.033	mg/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	0.033	mg/L	Y	U	U	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	0.033	mg/L	Y	U	UJ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0705	–	–	0.033	mg/L	Y	J	J+	N3B-2023-4319	CALA-23-295085	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	–	–	0.33	mg/L	Y	J	J	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.38	–	–	0.33	mg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.637	–	–	0.33	mg/L	Y	J	J	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.555	–	–	0.33	mg/L	Y	J	J	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.456	–	–	0.33	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	603	75.6	182	–	pCi/L	Y	–	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	672	62.3	145	–	pCi/L	Y	–	NQ	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	560	54.6	123	–	pCi/L	Y	–	NQ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	391	67.9	162	–	pCi/L	Y	–	NQ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	173	59.4	181	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.6	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.83	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.79	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2296	CALA-21-232108	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.71	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.86	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295086	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	0.0926	–	pCi/L	Y	–	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.741	0.0612	0.0986	–	pCi/L	Y	–	NQ	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.664	0.0508	0.0887	–	pCi/L	Y	–	NQ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.736	0.0766	0.0886	–	pCi/L	Y	–	NQ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.717	0.0529	0.061	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	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	0.0694	–	pCi/L	Y	U	U	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.053	0.0189	0.065	–	pCi/L	Y	U	U	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0429	0.0182	0.0663	–	pCi/L	Y	U	UJ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00363	0.0155	0.0869	–	pCi/L	Y	U	U	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0363	0.0117	0.0313	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	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	0.0621	–	pCi/L	Y	–	NQ	N3B-2019-3278	CALA-19-185293	GELC
LAOI-3.2a	181.4	09/02/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.615	0.0547	0.0882	–	pCi/L	Y	–	NQ	N3B-2020-1692	CALA-20-199164	GELC
LAOI-3.2a	181.4	08/12/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.653	0.0486	0.0872	–	pCi/L	Y	–	NQ	N3B-2021-2296	CALA-21-232107	GELC
LAOI-3.2a	181.4	09/21/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.569	0.0639	0.0932	–	pCi/L	Y	–	NQ	N3B-2022-3295	CALA-22-258555	GELC
LAOI-3.2a	181.4	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.619	0.0469	0.0361	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295085	GELC
LAOI-3.2a	181.4	09/11/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	7.59	–	–	3.3	µg/L	Y	J	U	N3B-2019-3278	CALA-19-185294	GELC
LAOI-3.2a	181.4	09/02/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	11.7	–	–	3.3	µg/L	Y	J	U	N3B-2020-1692	CALA-20-199165	GELC
LAOI-3.2a	181.4	08/12/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.67	–	–	3.3	µg/L	Y	J	J	N3B-2021-2296	CALA-21-232108	GELC
LAOI-3.2a	181.4	09/21/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	7.08	–	–	3.3	µg/L	Y	J	J	N3B-2022-3295	CALA-22-258556	GELC
LAOI-3.2a	181.4	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.72	–	–	3.3	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295086	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.51	–	–	0.01	SU	Y	H	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	–	–	0.01	SU	Y	H	J	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.58	–	–	0.01	SU	Y	H	J	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	–	–	0.01	SU	Y	H	J	N3B-2023-4319	CALA-23-295746	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.3	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	52.2	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.5	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	0.0309	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0207	0.00717	0.0366	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0206	0.0136	0.073	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00832	0.0156	0.0668	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00862	0.0104	0.0887	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0907	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.162	–	–	0.017	mg/L	Y	–	U	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.032	–	–	0.017	mg/L	Y	J	U	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.055	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.2	–	–	1	µg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.1	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	25.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	24.7	–	–	1	µg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	25.3	–	–	1	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	29.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.136	–	–	0.067	mg/L	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.148	–	–	0.067	mg/L	Y	J	J	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.168	–	–	0.067	mg/L	Y	J	J+	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.203	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.267	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	15.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.3	–	–	0.05	mg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	15.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	17.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	4.78	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.116	1.45	5.5	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.496	0.851	2.94	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.26	0.879	3.26	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0848	1.34	4.75	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	23.7	–	–	0.335	mg/L	Y	–	J+	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	22.9	–	–	0.335	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	27.3	–	–	0.335	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	27.6	–	–	0.335	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	31.7	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	N	3	–	–	3	µg/L	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	–	–	3	µg/L	Y	U	U	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.02	–	–	3	µg/L	N	J	J	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.2	–	–	3	µg/L	Y	J	J	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	19.3	–	–	3	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.22	–	–	3	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1	–	–	1	µg/L	Y	U	U	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1	–	–	1	µg/L	Y	U	U	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	5.75	–	–	1	µg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	6.3	–	–	1	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	Y	4.06	–	–	1	µg/L	Y	J	J	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Cobalt	Co	Y	8.76	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	5.3	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.25	1.95	6.9	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.135	0.901	3	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.607	0.907	3.27	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.597	1.43	5.59	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.254	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.427	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.231	–	–	0.033	mg/L	Y	–	J+	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.149	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0734	0.532	2.3	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.805	0.688	2.41	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.79	0.632	2.23	–	pCi/L	Y	U	UJ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.0458	0.594	2.67	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.196	0.607	2.57	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.99	0.771	2.13	–	pCi/L	Y	–	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.3	0.77	2.54	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.03	0.844	2.34	–	pCi/L	Y	–	J	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	3.65	0.898	2.45	–	pCi/L	Y	–	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	6.77	0.812	2.18	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.9	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.7	–	–	0.453	mg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	74.9	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.8	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.84	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.83	–	–	0.11	mg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.83	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	6.86	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.46	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	2.57	–	–	2	µg/L	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2	–	–	2	µg/L	Y	U	U	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	103	–	–	2	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	101	–	–	2	µg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	67.5	–	–	2	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	221	–	–	2	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	1.21	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.22	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.11	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.997	–	–	0.2	µg/L	N	J	J	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.02	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.36	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	8.56	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.94	2.8	10	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.2	1.76	6.82	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.229	1.81	6.63	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.9	2.56	8.88	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	Y	4.34	–	–	0.6	µg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	5.4	–	–	0.6	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	481	–	–	0.6	µg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	502	–	–	0.6	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	288	–	–	0.6	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	959	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.258	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.298	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.242	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.344	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.639	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.615	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.561	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.565	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.575	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	24	–	–	0.583	ng/L	Y	–	NQ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	27	–	–	0.588	ng/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	22.5	–	–	0.592	ng/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	3.66	–	–	0.706	ng/L	Y	–	NQ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2.85	–	–	0.713	ng/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	1.1	–	–	0.718	ng/L	Y	J	J	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	2.45	–	–	0.706	ng/L	Y	–	NQ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	2.08	–	–	0.713	ng/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	3.06	–	–	0.718	ng/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	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	0.0627	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.031	0.017	0.0573	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00867	0.00811	0.051	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00216	0.00717	0.0434	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0116	0.00821	0.0359	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	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	0.0677	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0155	0.0128	0.0575	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.013	0.00751	0.053	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00432	0.00917	0.0459	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00669	0.0489	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.25	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.23	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.09	–	–	0.05	mg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.09	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	5.14	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	5.36	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	52.2	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	40.7	26	73.6	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.13	13.9	49.5	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.84	14	53.1	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.5	24.5	53.6	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	01/14/2010	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.353	0.15	0.41	–	pCi/L	Y	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.372	0.198	0.632	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.87	0.207	0.397	–	pCi/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.352	0.142	0.394	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.294	0.175	0.492	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.372	0.321	–	–	pCi/L	Y	–	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.15	0.28	–	–	pCi/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.352	0.275	–	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.361	0.214	–	–	pCi/L	Y	U	UJ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	01/14/2010	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.409	0.27	0.88	–	pCi/L	Y	U	U	10-1276	CALA-10-9165	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.0597	0.253	0.914	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.28	0.188	0.629	–	pCi/L	Y	U	UJ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.588	0.236	0.964	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.0664	0.124	0.458	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	58.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.7	–	–	0.053	mg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	56.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	55.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.4	–	–	0.1	mg/L	Y	–	J-	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.3	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.9	–	–	0.1	mg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	10.8	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	11.3	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	4.2	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.41	1.38	5.01	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.335	0.855	3.38	–	pCi/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.41	0.841	3.63	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.779	1.69	5.95	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	193	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	208	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	234	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	237	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.5	–	–	1	µg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	96.4	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.7	–	–	1	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	87.4	–	–	1	µg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	88.8	–	–	1	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	95.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	0.491	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.288	0.129	0.496	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.239	0.138	0.487	–	pCi/L	Y	U	UJ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.176	0.0982	0.319	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0773	0.0833	0.293	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.4	–	–	0.665	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.3	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	–	–	3.4	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	168	–	–	2.38	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	154	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0682	–	–	0.033	mg/L	Y	J	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	0.033	mg/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	–	–	0.033	mg/L	Y	U	U	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0576	–	–	0.033	mg/L	Y	J	J-	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.101	–	–	0.033	mg/L	Y	–	J+	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.802	–	–	0.33	mg/L	Y	J	J	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.763	–	–	0.33	mg/L	Y	J	J	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.681	–	–	0.33	mg/L	Y	J	J	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.6	–	–	0.33	mg/L	Y	J	J	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.851	–	–	0.33	mg/L	Y	J	J	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	362	60.5	160	–	pCi/L	Y	–	NQ	N3B-2019-3325	CALA-19-185295	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	550	67.3	156	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	491	53.4	126	–	pCi/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	300	61.2	160	–	pCi/L	Y	–	NQ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	189	59.9	180	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	0.621	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.576	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.495	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.435	–	–	0.067	µg/L	N	–	NQ	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.405	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.257	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4319	CALA-23-295746	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	0.0623	–	pCi/L	Y	–	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.181	0.0267	0.0557	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.247	0.0318	0.0821	–	pCi/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.18	0.0254	0.052	–	pCi/L	Y	–	NQ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.155	0.0209	0.0595	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	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	0.0461	–	pCi/L	Y	U	U	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00377	0.00652	0.0429	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0278	0.0132	0.0614	–	pCi/L	Y	U	UJ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0226	0.0108	0.0508	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0101	0.00717	0.0306	–	pCi/L	Y	U	U	N3B-2023-4319	CALA-23-295745	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	0.0414	–	pCi/L	Y	–	NQ	N3B-2019-3325	CALA-19-185295	GELC
LAOI-7	240.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.11	0.024	0.0506	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199167	GELC
LAOI-7	240.0	08/11/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.18	0.0253	0.0807	–	pCi/L	Y	–	NQ	N3B-2021-2292	CALA-21-232068	GELC
LAOI-7	240.0	09/23/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.152	0.0219	0.0547	–	pCi/L	Y	–	NQ	N3B-2022-3319	CALA-22-258562	GELC
LAOI-7	240.0	09/12/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.0174	0.0352	–	pCi/L	Y	–	NQ	N3B-2023-4319	CALA-23-295745	GELC
LAOI-7	240.0	09/17/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.86	–	–	3.3	µg/L	Y	J	J	N3B-2019-3325	CALA-19-185296	GELC
LAOI-7	240.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	7.86	–	–	3.3	µg/L	Y	J	J	N3B-2020-1614	CALA-20-199168	GELC
LAOI-7	240.0	08/11/2021	WG	F	RE	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	17.9	–	–	3.3	µg/L	N	J	U	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	08/11/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	15.9	–	–	3.3	µg/L	Y	J	J	N3B-2021-2292	CALA-21-232069	GELC
LAOI-7	240.0	09/23/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	11.2	–	–	3.3	µg/L	Y	J	J	N3B-2022-3319	CALA-22-258563	GELC
LAOI-7	240.0	09/12/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	7.13	–	–	3.3	µg/L	Y	J	J	N3B-2023-4319	CALA-23-295746	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	–	–	0.01	SU	Y	H	J	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	–	–	0.01	SU	Y	H	J	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	–	–	0.01	SU	Y	H	J	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	–	–	0.01	SU	Y	H	J	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	–	–	0.01	SU	Y	H	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	–	–	0.01	SU	Y	H	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	95.9	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.2	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	97.1	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	96.3	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.8	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00633	0.007	0.0177	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00399	0.00692	0.0321	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000111	0.0133	0.118	–	pCi/L	Y	U	UJ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.012	0.00637	0.0386	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00316	0.0138	0.0975	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00242	0.0126	0.0746	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	4.09	–	–	2	µg/L	Y	J	J	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.53	–	–	2	µg/L	Y	J	J	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.4	–	–	2	µg/L	Y	J	J	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.78	–	–	2	µg/L	Y	J	J	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.38	–	–	2	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.28	–	–	2	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	202	–	–	1	µg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	184	–	–	1	µg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	188	–	–	1	µg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	183	–	–	1	µg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	217	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	214	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	30	–	–	15	µg/L	Y	J	J	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.2	–	–	15	µg/L	Y	J	J	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.1	–	–	15	µg/L	Y	J	J	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	23.6	–	–	15	µg/L	Y	J	J	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	27.5	–	–	15	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Boron	B	Y	26	–	–	15	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.14	–	–	0.067	mg/L	Y	J	J	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.156	–	–	0.067	mg/L	Y	J	J	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.133	–	–	0.067	mg/L	Y	J	J	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.12	–	–	0.067	mg/L	Y	J	J	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.124	–	–	0.067	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.123	–	–	0.067	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	31.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	29.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	31	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	29.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	30.3	–	–	0.05	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	29.9	–	–	0.05	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.23	0.908	4.94	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0544	1.32	4.71	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.79	1.1	3.68	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.86	3.49	8	–	pCi/L	Y	U	UJ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.31	1.52	5.94	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.23	1.3	5.3	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.62	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.49	–	–	0.067	mg/L	Y	–	J+	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.47	–	–	0.067	mg/L	Y	–	J+	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.99	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.21	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.1	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.09	–	–	3	µg/L	Y	J	J	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.05	–	–	3	µg/L	Y	J	J	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.67	–	–	3	µg/L	Y	J	J	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.91	–	–	3	µg/L	Y	J	J	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.34	–	–	3	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.35	–	–	3	µg/L	Y	J	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.802	1.38	5.09	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.595	0.993	4.04	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.678	1.05	3.78	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0788	2.56	9.71	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.742	1.61	5.73	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.156	1.26	5.04	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.26	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.23	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.33	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.29	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.26	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.26	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.181	0.403	1.4	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.14	0.968	2.8	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.52	0.81	2.41	–	pCi/L	Y	U	UJ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.76	0.862	2.48	–	pCi/L	Y	U	UJ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.83	0.721	2.59	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.5	0.933	2.7	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.51	0.574	1.67	–	pCi/L	Y	–	J	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.6	0.806	2.19	–	pCi/L	Y	–	NQ	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.43	0.874	2.64	–	pCi/L	Y	U	UJ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	-1.35	0.741	2.89	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	4.76	0.812	2.41	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross beta	GROSSB	N	1.61	0.693	2.24	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	92.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87.4	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.1	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.22	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.94	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.34	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.28	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.32	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.28	–	–	0.2	µg/L	Y	–	J+	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.28	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.27	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.32	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.32	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.69	2.78	10	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.19	2.56	8.97	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.91	2.08	6.95	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.99	3.82	14.1	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	8.9	8.56	9.33	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.86	2.65	9.91	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.86	–	–	0.17	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.85	–	–	0.17	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.05	–	–	0.17	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.88	–	–	0.17	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.8	–	–	0.17	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.84	–	–	0.17	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	2.27	–	–	0.1	µg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	2.35	–	–	0.1	µg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	2.05	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.85	–	–	0.05	µg/L	Y	H	J-	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.87	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.9	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00386	0.00669	0.0173	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00191	0.00572	0.0382	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00856	0.0103	0.0672	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.002	0.00722	0.0402	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0134	0.00711	0.0497	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00313	0.00829	0.0582	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00772	0.00473	0.0259	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0286	0.00873	0.0341	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00285	0.0118	0.0698	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00633	0.0425	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00268	0.00464	0.0678	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0157	0.0104	0.0793	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.28	–	–	0.05	mg/L	Y	–	J+	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.07	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.17	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.01	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.19	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	4.18	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	16.8	15.7	63.8	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.06	16	57.4	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.2	16.9	44.3	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	40.4	42.2	104	–	pCi/L	Y	U	UJ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.88	22.2	61.3	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	29.1	18.6	77.6	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	09/27/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	1.5	2.29	5.31	–	pCi/L	Y	U	U	122501	GU0409G05R201	GELC
R-5 S2	372.8	05/02/2005	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.219	0.201	0.695	–	pCi/L	Y	U	UJ	135861	GU0504G05R201	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	3.26	0.386	0.416	–	pCi/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.394	0.154	0.396	–	pCi/L	Y	U	UJ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0848	0.124	0.457	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.513	0.171	0.405	–	pCi/L	Y	–	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	3.26	0.43	–	–	pCi/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.394	0.314	–	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.19	0.341	–	–	pCi/L	Y	J	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.896	0.312	–	–	pCi/L	Y	J	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.222	0.189	0.733	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.0991	0.273	1.01	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	1.1	0.318	0.821	–	pCi/L	Y	–	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.383	0.261	0.854	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	53	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	50	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	51.4	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	51.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	52.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	52.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.1	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	15.1	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	15.7	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	15.6	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.476	1.58	5.98	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.874	1.47	4.47	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.951	1.05	3.71	–	pCi/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.74	2.72	8.99	–	pCi/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.625	1.52	5.7	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	1.69	5.72	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	269	–	–	1	µS/cm	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	264	–	–	1	µS/cm	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	278	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	243	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	229	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	230	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	315	–	–	1	µg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	322	–	–	1	µg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	305	–	–	1	µg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	308	–	–	1	µg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	340	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	338	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0214	0.138	0.475	–	pCi/L	Y	U	U	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0371	0.0855	0.337	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.233	0.147	0.486	–	pCi/L	Y	U	UJ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.373	0.155	0.486	–	pCi/L	Y	U	UJ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0601	0.124	0.462	–	pCi/L	Y	U	U	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.25	0.144	0.471	–	pCi/L	Y	U	UJ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.36	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.47	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.41	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.03	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.58	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	9.52	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	209	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	189	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	183	–	–	2.38	mg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	161	–	–	2.38	mg/L	Y	–	J	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	–	–	2.38	mg/L	Y	–	J	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	02/18/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.549	–	–	0.33	mg/L	Y	J	J	N3B-2021-887	CAPU-21-218081	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-5 S2	372.8	06/14/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-1836	CAPU-21-229557	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.886	–	–	0.33	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.857	–	–	0.33	mg/L	Y	J	J	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.36	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.5	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.64	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.51	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.73	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	2.71	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.11	0.0533	0.0541	–	pCi/L	Y	–	NQ	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.27	0.0778	0.194	–	pCi/L	Y	–	J-	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.3	0.0702	0.0873	–	pCi/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.32	0.101	0.0673	–	pCi/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.35	0.0892	0.0738	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.24	0.0772	0.0577	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0647	0.0154	0.0331	–	pCi/L	Y	–	NQ	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0171	0.0127	0.137	–	pCi/L	Y	U	U	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0888	0.022	0.0653	–	pCi/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0368	0.0142	0.066	–	pCi/L	Y	U	UJ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.047	0.0131	0.0379	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0491	0.0127	0.0297	–	pCi/L	Y	–	J	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	08/14/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.78	0.0444	0.047	–	pCi/L	Y	–	NQ	2013-1654	CALA-13-39189	GELC
R-5 S2	372.8	09/10/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.874	0.0644	0.18	–	pCi/L	Y	–	J-	2015-2327	CALA-15-103987	GELC
R-5 S2	372.8	08/10/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.927	0.0573	0.0858	–	pCi/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232127	GELC
R-5 S2	372.8	09/19/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.8	0.0705	0.0708	–	pCi/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258644	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.911	0.0666	0.0437	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295772	GELC
R-5 S2	372.8	09/15/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.867	0.0584	0.0342	–	pCi/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295774	GELC
R-5 S2	372.8	02/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.01	–	–	1	µg/L	Y	–	NQ	N3B-2021-887	CAPU-21-218080	GELC
R-5 S2	372.8	06/14/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.06	–	–	1	µg/L	Y	–	NQ	N3B-2021-1836	CAPU-21-229558	GELC
R-5 S2	372.8	08/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.93	–	–	1	µg/L	Y	–	NQ	N3B-2021-2277	CAPU-21-232128	GELC
R-5 S2	372.8	09/19/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	7.58	–	–	1	µg/L	Y	–	NQ	N3B-2022-3254	CAPU-22-258645	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	8.16	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295773	GELC
R-5 S2	372.8	09/15/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Vanadium	V	Y	8.51	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CAPU-23-295775	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	–	–	0.01	SU	Y	H	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	–	–	0.01	SU	Y	H	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	–	–	0.01	SU	Y	H	J	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	–	–	0.01	SU	Y	H	J	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295759	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.1	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.6	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.1	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.2	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.7	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	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	0.0254	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0087	0.0544	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0118	0.0126	0.0523	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00885	0.0122	0.0523	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0535	0.0173	0.0613	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0172	0.0101	0.0663	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.76	–	–	2	µg/L	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.92	–	–	2	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.73	–	–	2	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.03	–	–	2	µg/L	Y	J	J	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.07	–	–	2	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.19	–	–	2	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.4	–	–	1	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.8	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.4	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	17	–	–	1	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	17.2	–	–	1	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	15.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	41.4	–	–	15	µg/L	Y	J	U	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	31.9	–	–	15	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	29.8	–	–	15	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27	–	–	15	µg/L	Y	J	J	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	24	–	–	15	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	21.4	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	13.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	13.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	12.9	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	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	4.62	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.181	1.34	4.93	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.193	1.18	3.85	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0768	1.88	7.25	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.18	0.936	3.41	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.609	1.1	4.16	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.89	–	–	0.067	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.87	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.01	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.84	–	–	0.067	mg/L	Y	–	J+	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.07	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.74	–	–	3	µg/L	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.42	–	–	3	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.45	–	–	3	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.41	–	–	3	µg/L	Y	J	J	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.88	–	–	3	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	5.18	–	–	3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	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	5.1	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.53	1.2	5.14	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.76	1.24	5.4	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.57	2.33	10.4	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0682	0.942	3.67	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.16	0.732	3.19	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.46	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.381	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.383	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.462	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.47	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.438	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.53	0.785	2.96	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.257	0.629	2.96	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.06	0.802	2.76	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.143	0.454	2.21	–	pCi/L	Y	U	UJ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.0501	0.657	2.81	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.945	0.592	2.74	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.477	0.815	2.82	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.2	0.715	2.36	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.76	0.818	2.52	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	21.8	1.42	2.54	–	pCi/L	Y	–	J	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	3.87	0.95	2.62	–	pCi/L	Y	–	NQ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.626	0.775	2.71	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	48.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	49.4	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.92	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.95	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.03	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.71	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.83	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.16	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.66	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.72	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.84	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.67	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.69	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.68	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	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	8.35	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.27	2.44	8.39	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.806	2.13	8.09	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.07	3.84	12.1	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.609	1.8	5.46	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.16	1.94	7.34	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.269	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.27	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.262	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.218	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.269	–	–	0.017	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.299	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.269	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.286	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.293	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	4.47	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.272	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.713	–	–	0.713	ng/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	0.842	–	–	0.705	ng/L	Y	J	J	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2.78	–	–	0.732	ng/L	Y	–	NQ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	0.844	–	–	0.707	ng/L	Y	J	J	N3B-2023-4194	CALA-23-295758	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	0.0397	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.000000000997	0.00733	0.0552	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00537	0.00849	0.0496	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0155	0.0167	0.0732	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00378	0.00535	0.038	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00839	0.00515	0.039	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	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	0.0429	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0329	0.0143	0.0554	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0376	0.0126	0.0497	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00622	0.0139	0.0761	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00189	0.00824	0.0401	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00629	0.00756	0.0531	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.18	–	–	0.05	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.18	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.21	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.13	–	–	0.05	mg/L	Y	–	J+	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.14	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.16	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	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	71.1	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	21.6	23.8	42.1	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	4.69	13.4	37.4	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.62	25.7	107	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.01	13.1	49.3	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.1	15.4	56.4	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6	1205.0	11/17/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	15.4	4.24	8.8	–	pCi/L	Y	UI	R	150539	GU05110G06R01	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.765	0.16	0.325	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.1	0.1	0.37	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.644	0.204	0.474	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.264	0.166	0.543	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.45	0.336	0.595	–	pCi/L	Y	–	J+	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.765	0.21	–	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.216	0.19	–	–	pCi/L	Y	–	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.18	0.265	–	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.886	0.323	–	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.7	0.406	–	–	pCi/L	Y	J	J+	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.323	0.135	0.582	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.116	0.162	0.57	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.54	0.169	0.482	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.622	0.278	0.838	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.255	0.228	0.767	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	78.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	72.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.75	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.47	–	–	0.1	mg/L	Y	–	J-	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.49	–	–	0.1	mg/L	Y	–	J-	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.09	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	9.04	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	9.75	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295759	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	4.54	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.918	1.24	4.29	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0107	1.21	4.73	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.104	2.03	8.29	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.568	0.721	2.98	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.82	1.37	5.51	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	117	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	152	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55	–	–	1	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.5	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.9	–	–	1	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	54.3	–	–	1	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	56	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	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	0.493	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0802	0.14	0.492	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.2	0.146	0.49	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0546	0.142	0.488	–	pCi/L	Y	U	UJ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.315	0.143	0.458	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.171	0.0969	0.316	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.15	–	–	0.133	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.15	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.28	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.22	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	–	–	3.4	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	–	–	3.4	mg/L	Y	–	J	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	147	–	–	3.4	mg/L	Y	–	J	N3B-2020-1606	CALA-20-199295	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6	1205.0	08/26/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	141	–	–	2.38	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.347	–	–	0.33	mg/L	Y	J	J	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.465	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.307	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.299	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	0.292	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.291	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.325	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.289	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	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	0.0852	–	pCi/L	Y	–	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.281	0.0441	0.0928	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.17	0.0354	0.0866	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.226	0.0281	0.0634	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.265	0.044	0.0955	–	pCi/L	Y	–	NQ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.0337	0.0712	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295758	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	0.0638	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0000708	0.0118	0.0725	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00674	0.012	0.0676	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0307	0.0115	0.0474	–	pCi/L	Y	U	UJ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00000000296	0.0168	0.0933	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00303	0.0109	0.0366	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295758	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	0.0571	–	pCi/L	Y	–	NQ	N3B-2019-3247	CALA-19-185305	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0276	0.0845	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199292	GELC
R-6	1205.0	08/25/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0745	0.0255	0.0788	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199294	GELC
R-6	1205.0	08/26/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.107	0.0197	0.0623	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232076	GELC
R-6	1205.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.072	0.0287	0.101	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258581	GELC
R-6	1205.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0759	0.0154	0.0422	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295758	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.43	–	–	1	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.76	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.62	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	9.03	–	–	1	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	9	–	–	1	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	9.2	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295759	GELC
R-6	1205.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.6	–	–	3.3	µg/L	Y	J	J	N3B-2019-3247	CALA-19-185306	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	17.7	–	–	3.3	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199293	GELC
R-6	1205.0	08/25/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.57	–	–	3.3	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199295	GELC
R-6	1205.0	08/26/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	6.16	–	–	3.3	µg/L	Y	J	J	N3B-2021-2425	CALA-21-232077	GELC
R-6	1205.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	4.3	–	–	3.3	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258582	GELC
R-6	1205.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	4.57	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295759	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	–	–	0.01	SU	Y	H	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	–	–	0.01	SU	Y	H	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	–	–	0.01	SU	Y	H	J	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.51	–	–	0.01	SU	Y	H	J	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.78	–	–	1.45	mg/L	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.8	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.7	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	0.0273	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.022	0.0137	0.0665	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0279	0.011	0.062	–	pCi/L	Y	U	UJ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00551	0.011	0.0443	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0124	0.00748	0.0768	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.4	–	–	1	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	14	–	–	1	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.6	–	–	1	µg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	13.5	–	–	1	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	14.1	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.58	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.9	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	10.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	10.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	4.84	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.719	1.42	5.56	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.8	1.57	6.29	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.55	1.97	6.82	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.23	1.5	5.87	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.31	–	–	0.067	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.55	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.6	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.32	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.41	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	5	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0386	0.916	3.89	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.961	1.5	6.36	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.385	1.36	5.34	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.44	0.979	2.92	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.391	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.482	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.419	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.533	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.273	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.94	0.933	2.84	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0806	0.723	2.99	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.45	0.675	2.63	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.498	0.457	2.49	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.016	0.561	2.54	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.82	0.797	2.56	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.01	0.965	2.89	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.32	0.759	2.64	–	pCi/L	Y	U	UJ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.851	0.631	2.12	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	1.01	0.897	3.05	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.4	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.75	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.79	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.64	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.68	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.73	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.497	–	–	0.2	µg/L	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.565	–	–	0.2	µg/L	Y	J	J	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.519	–	–	0.2	µg/L	Y	J	J	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.397	–	–	0.2	µg/L	Y	J	J	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.429	–	–	0.2	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295767	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	7.47	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.01	2.62	9.6	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.624	2.78	10.1	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.79	2.71	9.11	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.169	2.75	9.56	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.161	–	–	0.017	mg/L	Y	–	U	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.149	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.132	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.151	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.214	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.216	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.203	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.2	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.209	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	0.0404	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00882	0.0513	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0196	0.0068	0.0462	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0108	0.0132	0.108	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00394	0.00682	0.0365	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	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	0.0435	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0165	0.00972	0.0694	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0275	0.00833	0.048	–	pCi/L	Y	U	UJ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0108	0.017	0.114	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0157	0.00739	0.0498	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.07	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.18	–	–	0.05	mg/L	Y	–	J+	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.06	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.08	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18	13.6	52.4	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.93	18.6	66.9	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.2	24.8	93	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.47	23.6	85.5	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.39	20.8	33.1	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	12/08/2011	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.825	0.18	0.21	–	pCi/L	Y	–	NQ	12-491	CALA-12-1766	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.634	0.181	0.347	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.647	0.188	0.413	–	pCi/L	Y	–	NQ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.186	0.136	0.459	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	2.52	0.439	0.438	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.886	0.261	–	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.48	0.304	–	–	pCi/L	Y	–	NQ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.243	0.244	–	–	pCi/L	Y	U	UJ	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	2.67	0.476	–	–	pCi/L	Y	J	J	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	12/08/2011	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.551	0.17	0.42	–	pCi/L	Y	–	NQ	12-491	CALA-12-1766	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.252	0.187	0.631	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.833	0.24	0.721	–	pCi/L	Y	–	NQ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.0563	0.202	0.735	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.155	0.186	0.644	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	64.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	57.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	–	–	0.1	mg/L	Y	N	J-	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.1	–	–	0.1	mg/L	Y	N	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.7	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	10.5	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	10.2	–	–	0.1	mg/L	Y	–	J+	N3B-2023-4224	CALA-23-295767	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	2.8	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.48	1.52	4.92	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.39	1.68	5.69	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.396	1.42	5.88	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.247	1.32	5.32	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	103	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	115	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.3	–	–	1	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	50.5	–	–	1	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.6	–	–	1	µg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	51.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	51.3	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	0.434	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.152	0.141	0.486	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0731	0.143	0.49	–	pCi/L	Y	U	UJ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.632	0.17	0.491	–	pCi/L	Y	–	NQ	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0488	0.0881	0.296	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.58	–	–	0.133	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.6	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.61	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.44	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.5	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	156	–	–	3.4	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	113	–	–	2.38	mg/L	Y	–	J	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	97	–	–	2.38	mg/L	Y	–	J	N3B-2023-4224	CALA-23-295767	GELC
R-64	1285.0	09/04/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.382	–	–	0.33	mg/L	Y	J	J	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.526	–	–	0.33	mg/L	Y	J	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.59	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.602	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.585	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.576	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.529	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295767	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	0.0838	–	pCi/L	Y	–	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.429	0.0507	0.103	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.352	0.0367	0.073	–	pCi/L	Y	–	NQ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.401	0.0481	0.0702	–	pCi/L	Y	–	NQ	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.406	0.0396	0.0736	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295766	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	0.0628	–	pCi/L	Y	U	U	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0215	0.0163	0.068	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00707	0.01	0.0546	–	pCi/L	Y	U	U	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0123	0.0686	–	pCi/L	Y	U	U	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0108	0.0378	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295766	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	0.0562	–	pCi/L	Y	–	NQ	N3B-2019-3231	CALA-19-185308	GELC
R-64	1285.0	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.204	0.0341	0.0922	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199306	GELC
R-64	1285.0	08/23/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.226	0.0296	0.0718	–	pCi/L	Y	–	NQ	N3B-2021-2359	CALA-21-232084	GELC
R-64	1285.0	09/22/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.226	0.0319	0.0739	–	pCi/L	Y	–	NQ	N3B-2022-3319	CALA-22-258626	GELC
R-64	1285.0	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.258	0.0303	0.0436	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295766	GELC
R-64	1285.0	09/04/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.3	–	–	1	µg/L	Y	J	J	N3B-2019-3231	CALA-19-185309	GELC
R-64	1285.0	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.16	–	–	1	µg/L	Y	J	J	N3B-2020-1635	CALA-20-199307	GELC
R-64	1285.0	08/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.81	–	–	1	µg/L	Y	J	J	N3B-2021-2359	CALA-21-232085	GELC
R-64	1285.0	09/22/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	4.24	–	–	1	µg/L	Y	J	J	N3B-2022-3319	CALA-22-258627	GELC
R-64	1285.0	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	4.3	–	–	1	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295767	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	–	–	0.01	SU	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	–	–	0.01	SU	Y	H	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	–	–	0.01	SU	Y	H	J	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.09	–	–	0.01	SU	Y	H	J	N3B-2022-3222	CALA-22-258634	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.05	–	–	0.01	SU	Y	H	J	N3B-2023-4224	CALA-23-295769	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	–	–	1.45	mg/L	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.1	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	87	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.4	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	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	0.0288	–	pCi/L	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	0.027	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0143	0.00857	0.0517	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0204	0.0136	0.0604	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00452	0.00783	0.0363	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0218	0.0103	0.0842	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.67	–	–	2	µg/L	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	–	–	2	µg/L	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.54	–	–	2	µg/L	Y	J	J	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.31	–	–	2	µg/L	Y	J	J	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.76	–	–	2	µg/L	Y	J	J	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.24	–	–	2	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.8	–	–	1	µg/L	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	–	–	1	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.9	–	–	1	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	28.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	27.5	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	28.2	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	37.7	–	–	15	µg/L	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	–	–	15	µg/L	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	35.3	–	–	15	µg/L	Y	J	J	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	34.8	–	–	15	µg/L	Y	J	J	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	32.9	–	–	15	µg/L	Y	J	J	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	39	–	–	15	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	–	–	0.05	mg/L	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	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	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	5.15	–	pCi/L	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	5.05	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.289	1.19	3.63	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.259	0.933	3.46	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.144	1.37	4.93	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.15	1.07	4.16	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.65	–	–	0.067	mg/L	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	–	–	0.067	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	4.01	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.66	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.38	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.54	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.54	–	–	3	µg/L	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	–	–	3	µg/L	Y	J	J	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.5	–	–	3	µg/L	Y	J	J	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.2	–	–	3	µg/L	Y	J	J	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.75	–	–	3	µg/L	Y	J	J	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.24	–	–	3	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	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	4.7	–	pCi/L	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	6.74	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.06	1.53	4.43	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.244	0.965	4.05	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.91	1.48	6.33	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.706	1.05	3.83	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3	–	–	3	µg/L	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	–	–	3	µg/L	Y	U	U	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3	–	–	3	µg/L	Y	U	U	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	4.27	–	–	3	µg/L	Y	J	J	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	Y	5.27	–	–	3	µg/L	Y	J	J	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Copper	Cu	Y	3.77	–	–	3	µg/L	Y	J	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.532	–	–	0.033	mg/L	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	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.468	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.371	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.401	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.702	0.78	2.93	–	pCi/L	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	2.87	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.58	0.894	2.86	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.83	0.734	2.68	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.718	0.739	2.76	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.251	0.561	2.31	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.74	0.82	2.49	–	pCi/L	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	2.92	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.22	0.77	2.55	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.793	0.813	2.79	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	4.04	0.966	2.65	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	2.22	0.913	2.86	–	pCi/L	Y	U	UJ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.7	–	–	0.453	mg/L	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	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	65.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.95	–	–	0.11	mg/L	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	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.33	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.07	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.8	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.94	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.59	–	–	0.2	µg/L	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	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.63	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.48	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.53	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.59	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	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	8.73	–	pCi/L	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	8.3	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.26	2.26	8.98	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.981	1.83	6.02	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.29	2.34	8.66	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.828	1.79	6.82	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	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	–	–	0.017	mg/L	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.632	–	–	0.017	mg/L	Y	–	U	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.683	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.664	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.684	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.5	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185311	GELC
R-66	819.4	09/12/2019	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.511	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.523	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.485	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.474	–	–	0.05	µg/L	Y	–	J-	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.613	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00676	0.0418	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185310	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-66	819.4	09/12/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00259	0.0107	0.0453	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00242	0.00803	0.0526	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0126	0.00756	0.0593	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00973	0.0488	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0142	0.00675	0.0376	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	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	0.0451	–	pCi/L	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	0.0489	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0411	0.0116	0.0712	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0428	0.0126	0.0616	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00486	0.0109	0.0516	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00203	0.00608	0.0513	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.19	–	–	0.05	mg/L	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	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.22	–	–	0.05	mg/L	Y	–	J+	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.18	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.12	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.13	21	41.4	–	pCi/L	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	78.9	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26.4	14.7	51.7	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.97	15.2	58.9	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.16	28.1	55.3	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.54	15.4	56.8	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	01/16/2012	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.299	0.15	0.41	–	pCi/L	Y	U	U	12-594	CALA-12-2110	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.263	0.196	0.671	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.497	0.211	0.612	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0656	0.104	0.404	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.5	0.297	0.462	–	pCi/L	Y	–	J+	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.263	0.31	–	–	pCi/L	Y	–	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.26	0.304	–	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.299	0.227	–	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	2.34	0.399	–	–	pCi/L	Y	–	J+	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	01/16/2012	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.304	0.22	0.72	–	pCi/L	Y	U	U	12-594	CALA-12-2110	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.491	0.241	0.918	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.767	0.219	0.636	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.233	0.201	0.68	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.831	0.266	0.718	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.3	–	–	0.053	mg/L	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	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	79.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	77.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	78.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	70.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.5	–	–	0.1	mg/L	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	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	13.2	–	–	0.1	mg/L	Y	N	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.3	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.3	–	–	0.1	mg/L	Y	–	J+	N3B-2023-4224	CALA-23-295769	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	4.29	–	pCi/L	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	5.25	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.945	0.982	3.62	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.12	1.15	4.92	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.63	1.75	6.19	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.271	0.802	3.19	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	–	–	1	µS/cm	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	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	177	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73.9	–	–	1	µg/L	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	–	–	1	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	72.3	–	–	1	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	73.3	–	–	1	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	72	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	71.3	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	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	0.422	–	pCi/L	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	0.487	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.291	0.151	0.494	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0605	0.141	0.49	–	pCi/L	Y	U	UJ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.28	0.129	0.408	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.174	0.0693	0.314	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.49	–	–	0.133	mg/L	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	–	–	0.133	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.5	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.69	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.42	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	169	–	–	3.4	mg/L	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	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	171	–	–	3.4	mg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	166	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	–	–	2.38	mg/L	Y	–	J	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	135	–	–	2.38	mg/L	Y	–	J	N3B-2023-4224	CALA-23-295769	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.587	–	–	0.067	µg/L	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	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.6	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.59	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.522	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.523	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	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	0.0987	–	pCi/L	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	0.111	–	pCi/L	Y	–	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.405	0.0476	0.104	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.416	0.0427	0.0773	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.44	0.0485	0.0641	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	0.0329	0.0717	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295768	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	0.074	–	pCi/L	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	0.0828	–	pCi/L	Y	U	U	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0186	0.0128	0.0686	–	pCi/L	Y	U	U	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0187	0.0135	0.0578	–	pCi/L	Y	U	U	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00438	0.0117	0.0629	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00914	0.00915	0.0368	–	pCi/L	Y	U	U	N3B-2023-4224	CALA-23-295768	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	0.0662	–	pCi/L	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	0.0741	–	pCi/L	Y	–	NQ	N3B-2019-3284	CALA-19-185312	GELC
R-66	819.4	08/28/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.0309	0.093	–	pCi/L	Y	–	NQ	N3B-2020-1635	CALA-20-199309	GELC
R-66	819.4	08/19/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.0266	0.076	–	pCi/L	Y	–	NQ	N3B-2021-2347	CALA-21-232086	GELC
R-66	819.4	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.239	0.0328	0.0674	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258633	GELC
R-66	819.4	09/06/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.16	0.0219	0.0425	–	pCi/L	Y	–	NQ	N3B-2023-4224	CALA-23-295768	GELC
R-66	819.4	09/12/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.8	–	–	1	µg/L	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	–	–	1	µg/L	Y	–	NQ	N3B-2019-3284	CALA-19-185313	GELC
R-66	819.4	08/28/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.3	–	–	1	µg/L	Y	–	NQ	N3B-2020-1635	CALA-20-199310	GELC
R-66	819.4	08/19/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.7	–	–	1	µg/L	Y	–	NQ	N3B-2021-2347	CALA-21-232087	GELC
R-66	819.4	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	12.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258634	GELC
R-66	819.4	09/06/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	12.2	–	–	1	µg/L	Y	–	NQ	N3B-2023-4224	CALA-23-295769	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	–	–	0.01	SU	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	–	–	0.01	SU	Y	H	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.79	–	–	0.01	SU	Y	H	J	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.75	–	–	0.01	SU	Y	H	J	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.69	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295750	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
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	–	–	1.45	mg/L	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.6	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	0.0239	–	pCi/L	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	0.024	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0277	0.0165	0.0543	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00374	0.0194	0.0664	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.061	0.0197	0.0612	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00991	0.00992	0.0765	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0229	0.013	0.0708	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	18	–	–	1	µg/L	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	–	–	1	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.2	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	16.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	15.2	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	14.9	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	30.8	–	–	15	µg/L	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	–	–	15	µg/L	Y	J	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.7	–	–	15	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	24.8	–	–	15	µg/L	Y	J	J	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	20.7	–	–	15	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	19.9	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Boron	B	Y	18.5	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.2	–	–	0.05	mg/L	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	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	15.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	15.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	15.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	4.09	–	pCi/L	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	5.16	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.412	1.38	4.67	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.18	2.17	8.2	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	7.99	2.86	4.09	–	pCi/L	Y	UI	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.909	1.52	5.05	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.672	1.21	4	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	12.8	–	–	0.134	mg/L	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	–	–	0.134	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	11.6	–	–	0.134	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	11.5	–	–	0.134	mg/L	Y	–	J+	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.4	–	–	0.134	mg/L	Y	–	J+	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.1	–	–	0.134	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	10.1	–	–	0.134	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295750	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	4.33	–	pCi/L	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	4.25	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.46	1.65	5.55	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.874	2.7	8.59	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.02	1.25	5.02	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.135	1.22	3.8	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.57	1.13	4.38	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.04	–	–	0.033	mg/L	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	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.06	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.2	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.2	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.51	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	1.35	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.102	0.67	2.85	–	pCi/L	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	2.84	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0524	0.559	2.71	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.79	0.752	1.95	–	pCi/L	Y	U	UJ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.85	0.904	2.78	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.156	0.473	2.45	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.07	0.727	2.43	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.134	0.746	2.68	–	pCi/L	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	2.92	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.703	0.858	2.92	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	22.9	1.47	2.6	–	pCi/L	Y	–	J	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.439	0.817	2.89	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.174	0.707	2.59	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:900.0	Gross beta	GROSSB	N	-0.0973	0.672	2.53	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	59.8	–	–	0.453	mg/L	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	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.49	–	–	0.11	mg/L	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	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.35	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.1	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.94	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.21	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.17	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.8	–	–	0.2	µg/L	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	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.96	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.01	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.18	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	2.07	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.93	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	7.53	–	pCi/L	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	7.66	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.25	2.73	9.08	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.12	3.41	12.1	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.48	2.27	8.26	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.14	1.91	6.67	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.6	2.58	8.84	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.618	–	–	0.6	µg/L	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	–	–	0.6	µg/L	Y	U	U	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.673	–	–	0.6	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	–	–	0.6	µg/L	Y	U	U	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	N	0.6	–	–	0.6	µg/L	Y	U	U	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.721	–	–	0.6	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.676	–	–	0.6	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	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	–	–	0.17	mg/L	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	–	–	0.17	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.25	–	–	0.085	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.13	–	–	0.085	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.99	–	–	0.085	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.21	–	–	0.17	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.19	–	–	0.17	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	4.12	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185298	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	4.22	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.53	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6i	602.0	08/25/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.27	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	2.81	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.03	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	3.09	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	0.0427	–	pCi/L	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	0.0531	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00985	0.00603	0.0454	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0209	0.0108	0.0704	–	pCi/L	Y	U	UJ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00561	0.0105	0.0563	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0113	0.00754	0.035	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0112	0.00811	0.0417	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	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	0.0461	–	pCi/L	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	0.0573	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0123	0.0128	0.0456	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0179	0.00946	0.0732	–	pCi/L	Y	U	UJ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0028	0.00742	0.0595	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0000000022	0.00753	0.0477	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0247	0.0113	0.0568	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.569	–	–	0.05	mg/L	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	–	–	0.05	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.514	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.575	–	–	0.05	mg/L	Y	–	J+	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	0.461	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	0.479	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	0.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	41.2	–	pCi/L	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	57.8	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-33.9	17.7	55.7	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.2	35.5	78.3	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.7	21.2	65.1	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	28	16.3	28.7	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-21.1	16.6	58.4	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	07/14/2009	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.614	0.17	0.26	–	pCi/L	Y	–	NQ	09-2641	CALA-09-11157	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0243	0.0807	0.326	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	2.16	0.338	0.591	–	pCi/L	Y	–	NQ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.763	0.183	0.265	–	pCi/L	Y	–	NQ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.82	0.254	0.567	–	pCi/L	Y	–	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.372	0.155	0.396	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.0243	0.174	–	–	pCi/L	Y	–	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	3.22	0.43	–	–	pCi/L	Y	–	NQ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.07	0.315	–	–	pCi/L	Y	J	J	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.82	0.275	–	–	pCi/L	Y	J	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.616	0.238	–	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	07/14/2009	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	1.05	0.3	0.8	–	pCi/L	Y	–	NQ	09-2641	CALA-09-11157	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.208	0.154	0.621	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	1.06	0.265	0.749	–	pCi/L	Y	–	NQ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.311	0.256	0.862	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.262	0.105	0.489	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.244	0.181	0.6	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.2	–	–	0.053	mg/L	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	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.4	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	70.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	65.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	64.8	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.4	–	–	0.1	mg/L	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	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	16.2	–	–	0.1	mg/L	Y	–	J-	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	15.6	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	15	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	16.4	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	16.1	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.6	1	2.61	–	pCi/L	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	4	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.982	1.4	4.85	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.263	2.19	7.58	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.67	1.22	4.39	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.884	1.09	3.69	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.124	1.46	4.62	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1360	–	–	1	µS/cm	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	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	207	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	195	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.9	–	–	1	µg/L	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	–	–	1	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	82.6	–	–	1	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	77.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	73.3	–	–	1	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	77.4	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	76	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	0.473	–	pCi/L	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	0.475	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.15	0.138	0.496	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0731	0.134	0.488	–	pCi/L	Y	U	UJ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.238	0.115	0.369	–	pCi/L	Y	U	UJ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0363	0.0658	0.229	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.06	0.117	0.397	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.93	–	–	0.133	mg/L	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	–	–	0.133	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.7	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.99	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.31	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.37	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.35	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	167	–	–	3.4	mg/L	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	–	–	3.4	mg/L	Y	–	J+	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	186	–	–	3.4	mg/L	Y	–	J	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	–	–	3.4	mg/L	Y	–	J+	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	162	–	–	2.38	mg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	143	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.408	–	–	0.33	mg/L	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	–	–	0.33	mg/L	Y	J	J	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.347	–	–	0.33	mg/L	Y	J	J	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.652	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.538	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1140	84	154	–	pCi/L	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	159	–	pCi/L	Y	–	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1260	89.5	156	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1070	69.4	128	–	pCi/L	Y	–	NQ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	804	113	188	–	pCi/L	Y	–	NQ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	705	98.7	186	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	723	99.7	184	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.292	–	–	0.067	µg/L	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	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.279	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1606	CALA-20-199171	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.274	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.253	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.225	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	0.224	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295750	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	0.108	–	pCi/L	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	0.103	–	pCi/L	Y	–	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.228	0.04	0.0811	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.241	0.0301	0.0757	–	pCi/L	Y	–	NQ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.146	0.0309	0.0699	–	pCi/L	Y	–	NQ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.192	0.0239	0.064	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.189	0.0269	0.0834	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295749	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	0.0809	–	pCi/L	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	0.0768	–	pCi/L	Y	U	U	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0124	0.0112	0.0634	–	pCi/L	Y	U	U	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00367	0.0132	0.0566	–	pCi/L	Y	U	U	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0173	0.0123	0.0683	–	pCi/L	Y	U	U	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00544	0.00769	0.0329	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0142	0.00871	0.0428	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295749	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	0.0723	–	pCi/L	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	0.0687	–	pCi/L	Y	–	NQ	N3B-2019-3247	CALA-19-185300	GELC
R-6i	602.0	08/25/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0898	0.0266	0.0739	–	pCi/L	Y	–	NQ	N3B-2020-1606	CALA-20-199170	GELC
R-6i	602.0	08/25/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0979	0.0199	0.0744	–	pCi/L	Y	–	NQ	N3B-2021-2411	CALA-21-232070	GELC
R-6i	602.0	09/06/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0807	0.0212	0.0735	–	pCi/L	Y	–	NQ	N3B-2022-3095	CALA-22-258566	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0704	0.0146	0.0379	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295747	GELC
R-6i	602.0	09/05/2023	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.086	0.0168	0.0494	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295749	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.57	–	–	1	µg/L	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	–	–	1	µg/L	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.4	–	–	1	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	2.36	–	–	1	µg/L	Y	J	J	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	2.37	–	–	1	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	2.53	–	–	1	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Vanadium	V	Y	2.59	–	–	1	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-6i	602.0	09/09/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.3	–	–	3.3	µg/L	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	–	–	3.3	µg/L	Y	J	J	N3B-2019-3247	CALA-19-185301	GELC
R-6i	602.0	08/25/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	10.6	–	–	3.3	µg/L	Y	J	J	N3B-2020-1606	CALA-20-199171	GELC
R-6i	602.0	08/25/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	8.45	–	–	3.3	µg/L	Y	J	J	N3B-2021-2411	CALA-21-232071	GELC
R-6i	602.0	09/06/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	9.14	–	–	3.3	µg/L	Y	J	J	N3B-2022-3095	CALA-22-258567	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	9.53	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295748	GELC
R-6i	602.0	09/05/2023	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Zinc	Zn	Y	9.03	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295750	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9	–	–	0.01	SU	Y	H	J	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	–	–	0.01	SU	Y	H	J	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	–	–	0.01	SU	Y	H	J	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	–	–	0.01	SU	Y	H	J	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.37	–	–	0.01	SU	Y	H	J	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.58	–	–	0.01	SU	Y	H	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.6	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.5	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.7	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.5	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:Alpha-Spec	Americium-241	Am-241	N	0.00617	0.00683	0.037	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00427	0.00604	0.034	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0209	0.0139	0.0617	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00297	0.00665	0.0478	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00722	0.00884	0.0579	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0109	0.00947	0.0843	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	–	–	2	µg/L	Y	U	U	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	–	–	2	µg/L	Y	U	U	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	–	–	2	µg/L	Y	U	U	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	N	2	–	–	2	µg/L	Y	U	U	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	N	2	–	–	2	µg/L	Y	U	U	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.48	–	–	2	µg/L	Y	J	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.2	–	–	1	µg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.3	–	–	1	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	25.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	25	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	26.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.4	–	–	0.05	mg/L	Y	N	J-	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.9	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	11.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	11.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	12.2	–	–	0.05	mg/L	Y	N	J-	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.11	1	3.07	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.287	0.995	3.47	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.853	1.11	4.57	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.17	1.71	5.19	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.75	1.68	5.33	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.47	1.37	4.52	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.54	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.57	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.65	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.49	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.49	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.57	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.01	1.04	4.21	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.15	1.14	4.44	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.853	1.11	5.1	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.49	2.11	6.59	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.19	1.45	4.95	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0918	1.21	4.98	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.47	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.398	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.445	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.482	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.474	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.496	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	13.5	1.42	1.75	–	pCi/L	Y	–	NQ	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.219	0.234	0.967	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.15	0.862	2.3	–	pCi/L	Y	U	UJ	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.49	0.831	2.57	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.38	0.846	2.7	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.847	0.725	2.54	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.79	0.834	2.28	–	pCi/L	Y	–	J	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.53	0.64	2.32	–	pCi/L	Y	–	J	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.44	1.08	2.59	–	pCi/L	Y	–	J	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	2.06	0.925	2.93	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:900.0	Gross beta	GROSSB	N	0.597	0.842	2.87	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	0.619	0.844	2.95	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	47.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	46.9	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.9	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.63	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.19	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.17	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.12	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	4.95	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	N	1.07	–	–	0.2	µg/L	Y	–	U	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.871	–	–	0.2	µg/L	Y	J	J	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.934	–	–	0.2	µg/L	Y	J	J	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.83	–	–	0.2	µg/L	Y	J	J	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.835	–	–	0.2	µg/L	Y	J	J	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	0.903	–	–	0.2	µg/L	Y	J	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-16.4	9.42	29.6	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.8	5.7	19.6	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.57	3.02	10.9	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.24	2.74	9.17	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.929	2.53	8.9	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.19	2.9	9.76	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.111	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.112	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.111	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.112	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.112	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.118	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.204	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.207	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.197	–	–	0.05	µg/L	Y	J	J	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.172	–	–	0.05	µg/L	Y	J	J-	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.173	–	–	0.05	µg/L	Y	J	J-	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.203	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:Alpha-Spec	Plutonium-238	Pu-238	N	-0.00188	0.00498	0.029	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00394	0.00965	0.041	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0329	0.0186	0.0773	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00579	0.0582	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00232	0.00837	0.0466	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00964	0.0136	0.0895	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:Alpha-Spec	Plutonium-239/240	Pu-239/240	N	0.00565	0.00327	0.03	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00197	0.00591	0.035	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00657	0.0167	0.0804	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00868	0.00869	0.0614	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00232	0.0077	0.0493	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0193	0.0137	0.122	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.34	–	–	0.05	mg/L	Y	–	J+	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.37	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.29	–	–	0.05	mg/L	Y	–	J+	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.24	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	1.19	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	1.27	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.41	16.4	33.6	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	19.3	13.1	46.5	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.8	17	75	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	90.2	16.5	40.8	–	pCi/L	Y	–	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-47.3	24.7	67.7	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29.1	22.2	83.6	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.128	0.165	0.602	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	3.25	3.7	6.87	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.431	0.159	0.435	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.902	0.206	0.329	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.502	0.158	0.37	–	pCi/L	Y	–	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.541	0.148	0.273	–	pCi/L	Y	–	U	N3B-2022-3222	CALA-22-258589	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.53	0.156	0.345	–	pCi/L	Y	–	NQ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.14	0.299	–	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.07	0.285	–	–	pCi/L	Y	J	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.29	0.33	–	–	pCi/L	Y	J	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.1	0.348	–	–	pCi/L	Y	J	J	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	12/18/2003	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	4.92	1.84	6.98	–	pCi/L	Y	U	U	104282	GU0311G07R301	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	2.16	3.92	14.9	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.242	0.217	0.739	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.569	0.238	0.706	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.748	0.295	0.87	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.572	0.311	0.985	–	pCi/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	65.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	65.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	66.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.66	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.61	–	–	0.1	mg/L	Y	N	J-	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.22	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	8.94	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	8.9	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	9.73	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.926	1.03	4.16	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.231	1.13	4.18	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.65	1.09	2.92	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.19	1.29	5.26	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.43	1.54	5.98	–	pCi/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.113	1.26	5.11	–	pCi/L	Y	U	U	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	–	–	1	µS/cm	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	–	–	1	µS/cm	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	118	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	51.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	56	–	–	1	µg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	53.6	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	53.2	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	61.3	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:GFPC Tc-99	Strontium-90	Sr-90	N	-0.0142	0.0512	0.245	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0758	0.0694	0.23	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.184	0.143	0.487	–	pCi/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.176	0.147	0.493	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.629	0.177	0.488	–	pCi/L	Y	–	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.443	0.152	0.47	–	pCi/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.45	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.43	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.54	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.48	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.46	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.56	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	179	–	–	3.4	mg/L	Y	H	J-	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	115	–	–	2.38	mg/L	Y	–	J	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	–	–	2.38	mg/L	Y	–	J	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	92	–	–	2.38	mg/L	Y	–	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.43	–	–	0.33	mg/L	Y	J	J	N3B-2021-872	CALA-21-218071	GELC
R-7 S3	895.5	06/10/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-1813	CALA-21-229495	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.783	–	–	0.33	mg/L	Y	J	J	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0428	–	–	0.02	mg/L	Y	J	J	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0602	–	–	0.02	mg/L	Y	–	U	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0964	–	–	0.02	mg/L	Y	–	U	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.112	–	–	0.02	mg/L	Y	–	U	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.136	–	–	0.02	mg/L	Y	–	U	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.035	–	–	0.02	mg/L	Y	J	J	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.858	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.839	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.88	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.934	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	0.925	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:Alpha-Spec	Uranium-234	U-234	N	0.0574	0.0122	0.067	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.163	0.0273	0.121	–	pCi/L	Y	–	J	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.661	0.0441	0.0666	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.663	0.0639	0.069	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.528	0.0525	0.0615	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.7	0.0536	0.0671	–	pCi/L	Y	–	NQ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:Alpha-Spec	Uranium-235/236	U-235/236	N	0.00994	0.00612	0.041	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0477	0.015	0.074	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0226	0.0141	0.0498	–	pCi/L	Y	U	UJ	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0415	0.0165	0.0677	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0302	0.0143	0.0603	–	pCi/L	Y	U	UJ	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0285	0.00998	0.0345	–	pCi/L	Y	U	UJ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	Generic:Alpha-Spec	Uranium-238	U-238	N	0.0177	0.00833	0.048	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	05/26/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Uranium-238	U-238	N	18.1	71.8	220	–	pCi/L	Y	U	U	113809	GU0405G07R301	GELC
R-7 S3	895.5	04/26/2005	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0396	0.0138	0.086	–	pCi/L	Y	U	U	135408	GU0504G07R301	GELC
R-7 S3	895.5	08/27/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.274	0.0303	0.0654	–	pCi/L	Y	–	NQ	N3B-2021-2425	CALA-21-232092	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.372	0.0436	0.0726	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258585	GELC
R-7 S3	895.5	09/15/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.355	0.0402	0.0647	–	pCi/L	Y	–	NQ	N3B-2022-3222	CALA-22-258589	GELC
R-7 S3	895.5	09/15/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.309	0.0316	0.0397	–	pCi/L	Y	–	NQ	N3B-2023-4390	CALA-23-295760	GELC
R-7 S3	895.5	02/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.62	–	–	1	µg/L	Y	J	J	N3B-2021-872	CALA-21-218070	GELC
R-7 S3	895.5	06/10/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.42	–	–	1	µg/L	Y	–	NQ	N3B-2021-1813	CALA-21-229496	GELC
R-7 S3	895.5	08/27/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.02	–	–	1	µg/L	Y	–	NQ	N3B-2021-2425	CALA-21-232093	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	5.48	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258586	GELC
R-7 S3	895.5	09/15/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Vanadium	V	Y	5.45	–	–	1	µg/L	Y	–	NQ	N3B-2022-3222	CALA-22-258590	GELC
R-7 S3	895.5	09/15/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	6.22	–	–	1	µg/L	Y	–	NQ	N3B-2023-4390	CALA-23-295761	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.3	–	–	0.01	SU	Y	H	J	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.39	–	–	0.01	SU	Y	H	J	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	–	–	0.01	SU	Y	H	J	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	–	–	0.01	SU	Y	H	J	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.54	–	–	0.01	SU	Y	H	J	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.44	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.77	–	–	1.45	mg/L	Y	J	J	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.58	–	–	1.45	mg/L	Y	J	J	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	–	–	1.45	mg/L	Y	U	U	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.6	–	–	1.45	mg/L	Y	J	J	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.6	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.6	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.2	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.6	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00762	0.00672	0.0213	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00231	0.00502	0.0221	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0107	0.0163	0.0631	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0296	0.0158	0.0595	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0125	0.00725	0.0645	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.03	–	–	2	µg/L	Y	J	J	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	4.52	–	–	2	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	4.54	–	–	2	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.23	–	–	2	µg/L	Y	J	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.18	–	–	2	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.89	–	–	2	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.3	–	–	1	µg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	29.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	30.6	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	31.1	–	–	1	µg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	31.6	–	–	1	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	29.8	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.9	–	–	15	µg/L	Y	J	J	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.3	–	–	15	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	22.6	–	–	15	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23.1	–	–	15	µg/L	Y	J	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	21.3	–	–	15	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	18.1	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.9	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	17.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.262	1.35	4.98	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.44	1.37	5.25	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.631	2.23	5.49	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	1.37	4.67	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.457	1.49	5.43	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.56	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.63	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.59	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.56	–	–	0.067	mg/L	Y	–	J+	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.59	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.51	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.71	1.33	4.31	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.28	1.12	4.75	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.15	1.35	6.41	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.24	1.29	4.47	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.85	1.56	4.96	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.61	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.574	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.578	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.571	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.584	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.703	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.556	0.51	2.53	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.09	0.647	2.87	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0619	0.458	2.38	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.245	0.6	2.47	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.304	0.597	2.45	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.14	1.04	2.95	–	pCi/L	Y	–	NQ	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.0211	0.826	2.84	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.87	0.855	2.76	–	pCi/L	Y	U	UJ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	1.51	0.86	2.82	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	2.09	0.757	2.35	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.42	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.44	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.54	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.65	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.69	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.71	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.42	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.29	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.34	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.27	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.49	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.42	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.49	2.62	8.75	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.03	2.82	10.3	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.608	2.99	10.7	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.24	2.65	8.75	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.87	3.15	9.65	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.706	–	–	0.6	µg/L	Y	J	J	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.849	–	–	0.6	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.867	–	–	0.6	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.631	–	–	0.6	µg/L	Y	J	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.705	–	–	0.6	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	0.648	–	–	0.6	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.567	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.569	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.571	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.556	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.677	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.695	–	–	0.085	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.299	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.34	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.339	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.31	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.289	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.319	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0207	0.0132	0.0481	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.00581	0.0319	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0318	0.0111	0.0535	–	pCi/L	Y	U	UJ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0318	0.0154	0.0711	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00395	0.00395	0.0367	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00124	0.0116	0.0725	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00822	0.0065	0.0416	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0159	0.00991	0.0556	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0212	0.0141	0.0751	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00592	0.00814	0.05	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.16	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.06	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.13	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.16	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.31	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.36	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.4	18.4	66.1	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.98	18.6	65.4	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	5.07	23.6	93.8	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.9	18.1	59	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-35	24.1	67.1	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	12/08/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	Y	17.3	4.03	5.66	–	pCi/L	Y	–	R	127273	GU0411G08R101	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S1	705.31	04/27/2005	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.17	0.285	0.686	–	pCi/L	Y	–	J	135528	GU0504G08R101	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.527	0.197	0.541	–	pCi/L	Y	U	UJ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.438	0.179	0.515	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.02	0.279	0.598	–	pCi/L	Y	–	J+	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.21	0.274	–	–	pCi/L	Y	–	NQ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.796	0.312	–	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.39	0.321	–	–	pCi/L	Y	J	J+	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.684	0.191	0.54	–	pCi/L	Y	–	NQ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.358	0.255	0.841	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.367	0.159	0.465	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	44.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	46.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	48.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	52.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	47.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.7	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.6	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.7	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.4	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.6	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.418	1.32	5.12	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.55	1.04	4.72	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.35	1.4	5.83	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.539	1.16	4.32	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.55	1.7	5.69	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	156	–	–	1	µS/cm	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	161	–	–	1	µS/cm	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	–	–	1	µS/cm	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	152	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	164	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	107	–	–	1	µg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	102	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	105	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	106	–	–	1	µg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	107	–	–	1	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	109	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.166	0.127	0.482	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.244	0.148	0.49	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0639	0.145	0.493	–	pCi/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.486	0.165	0.492	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0603	0.145	0.491	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.65	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.73	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.75	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.79	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.7	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.65	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	126	–	–	3.4	mg/L	Y	–	J+	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	–	–	3.4	mg/L	Y	–	J	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	–	–	2.38	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	103	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-920	CALA-21-218074	GELC
R-8 S1	705.31	06/23/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-1937	CALA-21-229499	GELC
R-8 S1	705.31	06/23/2021	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-1937	CALA-21-230391	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.616	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.337	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	N	0.276	–	–	0.067	µg/L	Y	–	U	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	N	0.285	–	–	0.067	µg/L	Y	–	U	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.347	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.332	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.305	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.195	0.0235	0.0544	–	pCi/L	Y	–	NQ	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.217	0.0302	0.165	–	pCi/L	Y	–	NQ	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.259	0.0264	0.0577	–	pCi/L	Y	–	NQ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	0.0307	0.0459	–	pCi/L	Y	–	NQ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	0.0271	0.0602	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00929	0.00929	0.0333	–	pCi/L	Y	U	U	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0369	0.016	0.133	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0196	0.0101	0.0432	–	pCi/L	Y	U	UJ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00285	0.00855	0.0448	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00256	0.00767	0.0309	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0927	0.0164	0.0472	–	pCi/L	Y	–	NQ	2013-1614	CALA-13-39196	GELC
R-8 S1	705.31	09/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0965	0.0215	0.121	–	pCi/L	Y	U	U	2015-2374	CALA-15-103993	GELC
R-8 S1	705.31	08/16/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.136	0.0181	0.0567	–	pCi/L	Y	–	NQ	N3B-2021-2307	CALA-21-232080	GELC
R-8 S1	705.31	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.129	0.0203	0.0483	–	pCi/L	Y	–	NQ	N3B-2022-3106	CALA-22-258592	GELC
R-8 S1	705.31	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.12	0.0172	0.0356	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295762	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	13.9	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	14.4	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	15.5	–	–	1	µg/L	Y	–	NQ	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	15.5	–	–	1	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	15.3	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295763	GELC
R-8 S1	705.31	02/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	5.23	–	–	3.3	µg/L	Y	J	U	N3B-2021-920	CALA-21-218073	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.65	–	–	3.3	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229500	GELC
R-8 S1	705.31	06/23/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.84	–	–	3.3	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229503	GELC
R-8 S1	705.31	08/16/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	5.08	–	–	3.3	µg/L	Y	J	U	N3B-2021-2307	CALA-21-232081	GELC
R-8 S1	705.31	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	3.64	–	–	3.3	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258593	GELC
R-8 S1	705.31	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.79	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295763	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.67	–	–	0.01	SU	Y	H	J	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.83	–	–	0.01	SU	Y	H	J	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.75	–	–	0.01	SU	Y	H	J	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.76	–	–	0.01	SU	Y	H	J	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.86	–	–	0.01	SU	Y	H	J	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.64	–	–	0.01	SU	Y	H	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.13	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	11.7	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	9.2	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	8	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	4.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.4	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.4	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.2	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	77.8	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68	–	–	68	µg/L	Y	U	U	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68	–	–	68	µg/L	Y	U	U	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	–	–	68	µg/L	Y	U	U	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	–	–	68	µg/L	Y	U	U	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	N	68	–	–	68	µg/L	Y	U	U	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Aluminum	Al	Y	413	–	–	68	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00902	0.00672	0.0252	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00104	0.00609	0.02	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00348	0.0206	0.0618	–	pCi/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.018	0.012	0.0579	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0307	0.00983	0.0729	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	4.39	–	–	2	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.7	–	–	2	µg/L	Y	J	J	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.59	–	–	2	µg/L	Y	J	J	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.53	–	–	2	µg/L	Y	J	J	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.28	–	–	2	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.78	–	–	2	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	36	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	39.7	–	–	1	µg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	44.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	43.3	–	–	1	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	44.9	–	–	1	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	51.5	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	23	–	–	15	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	22.6	–	–	15	µg/L	Y	J	J	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	23.5	–	–	15	µg/L	Y	J	J	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Boron	B	Y	22	–	–	15	µg/L	Y	J	J	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	23.4	–	–	15	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	23.4	–	–	15	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	16.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	17.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	17.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	16.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.01	1.16	4.8	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.401	1.15	4.37	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.14	0.87	4.71	–	pCi/L	Y	U	UJ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.00817	0.849	3.19	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.32	1.05	4.2	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.6	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.68	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.58	–	–	0.067	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.57	–	–	0.067	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.67	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.69	–	–	0.067	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.42	–	–	3	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	N	3	–	–	3	µg/L	Y	U	U	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.43	–	–	3	µg/L	Y	J	J	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.13	–	–	3	µg/L	Y	J	J	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.46	–	–	3	µg/L	Y	J	J	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.15	–	–	3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.432	1.33	4.99	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.73	1.27	5.39	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.449	1.09	4.15	–	pCi/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.758	0.95	3.17	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0	1.04	4.24	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.573	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.506	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.604	–	–	0.033	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.602	–	–	0.033	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.587	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.705	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.697	0.536	2.75	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0421	0.724	2.89	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.2	0.747	2.39	–	pCi/L	Y	U	UJ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.0522	0.533	2.55	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.762	0.511	1.61	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.95	0.884	2.82	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.84	0.68	1.85	–	pCi/L	Y	–	NQ	2015-2376	CALA-15-103994	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.94	1.04	2.61	–	pCi/L	Y	–	J	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	2.3	0.906	2.8	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	-0.751	0.789	2.91	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.5	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.2	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	54.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.4	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.8	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.79	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.85	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.9	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	2.88	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.17	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	3.09	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.47	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.41	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.6	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.49	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.57	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.35	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.32	2.54	8.74	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.9	2.52	9.09	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.58	2.23	8.64	–	pCi/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.175	1.97	6.72	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.65	1.72	6.69	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.619	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.609	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.587	–	–	0.017	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.586	–	–	0.017	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.58	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.628	–	–	0.017	mg/L	Y	–	J+	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.347	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.326	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.328	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.319	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.293	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.334	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00272	0.0153	0.0487	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00313	0.00532	0.0192	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00235	0.00779	0.0553	–	pCi/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0205	0.0191	0.103	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.013	0.00687	0.0402	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0236	0.0186	0.0734	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00625	0.00759	0.0252	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00235	0.0108	0.0575	–	pCi/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0409	0.0177	0.109	–	pCi/L	Y	U	UJ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00217	0.00573	0.0549	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.11	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.29	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	2.27	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.32	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	2.42	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.877	17.8	68.5	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.39	17.8	66.3	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35.8	17.3	30.5	–	pCi/L	Y	UI	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	29.1	22.4	26.4	–	pCi/L	Y	UI	UJ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13	17.3	32.2	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	12/09/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	Y	22.2	5	6.81	–	pCi/L	Y	–	R	127273	GU0411G08R201	GELC
R-8 S2	821.3	04/28/2005	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.43	0.178	0.524	–	pCi/L	Y	U	U	135560	GU0504G08R201	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.361	0.155	0.444	–	pCi/L	Y	U	UJ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.413	0.149	0.359	–	pCi/L	Y	–	NQ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.668	0.218	0.492	–	pCi/L	Y	–	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.46	0.28	–	–	pCi/L	Y	–	NQ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.702	0.281	–	–	pCi/L	Y	J	J	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.881	0.259	–	–	pCi/L	Y	J	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	1.1	0.232	0.618	–	pCi/L	Y	–	NQ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.289	0.239	0.802	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.214	0.141	0.459	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	52.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	54	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	54.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	54.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	58.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	53.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.4	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.3	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	12.4	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	13.7	–	–	0.1	mg/L	Y	N	J-	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.12	1.21	5.35	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.676	1.49	5.19	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.336	0.842	3.35	–	pCi/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.72	0.868	2.91	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.977	0.907	4.13	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	155	–	–	1	µS/cm	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	157	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	–	–	1	µS/cm	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	170	–	–	1	µS/cm	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	168	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	173	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	120	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	132	–	–	1	µg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	143	–	–	1	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	141	–	–	1	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	148	–	–	1	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	170	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.148	0.13	0.497	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.318	0.106	0.489	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.33	0.147	0.481	–	pCi/L	Y	U	UJ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0483	0.102	0.345	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0458	0.0957	0.329	–	pCi/L	Y	U	U	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.83	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.92	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.78	–	–	0.133	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.77	–	–	0.133	mg/L	Y	–	J-	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.88	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.89	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	144	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	–	–	3.4	mg/L	Y	–	J	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	103	–	–	3.4	mg/L	Y	–	J	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	–	–	3.4	mg/L	Y	–	J	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	–	–	2.38	mg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116	–	–	2.38	mg/L	Y	–	J	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-1937	CALA-21-229504	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	12/20/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-595	CALA-22-236931	GELC
R-8 S2	821.3	12/20/2021	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-595	CALA-22-236933	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	–	–	0.33	mg/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.616	–	–	0.33	mg/L	Y	J	J	N3B-2023-4194	CALA-23-295764	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	N	0.223	–	–	0.067	µg/L	Y	–	U	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.341	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.37	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	0.371	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.315	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.329	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.481	0.036	0.0555	–	pCi/L	Y	–	NQ	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.624	0.0464	0.137	–	pCi/L	Y	–	NQ	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.248	0.0276	0.0605	–	pCi/L	Y	–	NQ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.194	0.0293	0.0567	–	pCi/L	Y	–	NQ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.297	0.0309	0.0658	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0126	0.01	0.034	–	pCi/L	Y	U	U	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0589	0.0166	0.111	–	pCi/L	Y	U	U	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.0101	0.0452	–	pCi/L	Y	U	UJ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00000000235	0.0111	0.0554	–	pCi/L	Y	U	U	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0168	0.00887	0.0338	–	pCi/L	Y	U	UJ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	08/12/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.24	0.0251	0.0482	–	pCi/L	Y	–	NQ	2013-1614	CALA-13-39197	GELC
R-8 S2	821.3	09/25/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.278	0.0315	0.101	–	pCi/L	Y	–	NQ	2015-2376	CALA-15-103994	GELC
R-8 S2	821.3	08/17/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.114	0.018	0.0595	–	pCi/L	Y	–	NQ	N3B-2021-2321	CALA-21-232082	GELC
R-8 S2	821.3	09/07/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0826	0.0204	0.0597	–	pCi/L	Y	–	NQ	N3B-2022-3106	CALA-22-258596	GELC
R-8 S2	821.3	09/05/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0171	0.0389	–	pCi/L	Y	–	NQ	N3B-2023-4194	CALA-23-295764	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16	–	–	1	µg/L	Y	–	NQ	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	16.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	17.3	–	–	1	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Vanadium	V	Y	17.2	–	–	1	µg/L	Y	–	NQ	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	17.4	–	–	1	µg/L	Y	–	NQ	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	17.8	–	–	1	µg/L	Y	–	NQ	N3B-2023-4194	CALA-23-295765	GELC
R-8 S2	821.3	06/23/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	3.56	–	–	3.3	µg/L	Y	J	J	N3B-2021-1937	CALA-21-229505	GELC
R-8 S2	821.3	08/17/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.29	–	–	3.3	µg/L	Y	J	J	N3B-2021-2321	CALA-21-232083	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.42	–	–	3.3	µg/L	Y	J	J	N3B-2022-595	CALA-22-236930	GELC
R-8 S2	821.3	12/20/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Zinc	Zn	Y	4.63	–	–	3.3	µg/L	Y	J	J	N3B-2022-595	CALA-22-236932	GELC
R-8 S2	821.3	09/07/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	–	–	3.3	µg/L	Y	U	U	N3B-2022-3106	CALA-22-258597	GELC
R-8 S2	821.3	09/05/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.38	–	–	3.3	µg/L	Y	J	J	N3B-2023-4194	CALA-23-295765	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	–	–	0.01	SU	Y	H	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	–	–	0.01	SU	Y	H	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	–	–	0.01	SU	Y	H	J	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	–	–	0.01	SU	Y	H	J	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	–	–	0.01	SU	Y	H	J	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	–	–	0.01	SU	Y	H	J	N3B-2023-4264	CALA-23-295771	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	116	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	116	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	120	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	114	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	0.0406	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0236	0.0102	0.0521	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0116	0.00773	0.0342	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0216	0.0191	0.064	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00341	0.0141	0.0605	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0224	0.0132	0.0515	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00791	0.0112	0.122	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Arsenic	As	N	4.63	–	–	2	µg/L	Y	J	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	4.53	–	–	2	µg/L	Y	J	J	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	4.32	–	–	2	µg/L	Y	J	J	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.02	–	–	2	µg/L	Y	J	J	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.74	–	–	2	µg/L	Y	J	J	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.36	–	–	2	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.53	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295771	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	172	–	–	1	µg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	179	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	179	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	159	–	–	1	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	162	–	–	1	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	164	–	–	1	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	168	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	44.2	–	–	15	µg/L	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	57.6	–	–	15	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	56.9	–	–	15	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	49.1	–	–	15	µg/L	Y	J	J	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	50.4	–	–	15	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	51.6	–	–	15	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	50.3	–	–	15	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0982	–	–	0.067	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	23	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.9	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	22.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	23.2	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	4.47	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.08	1.04	4.09	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.48	2.44	4.25	–	pCi/L	Y	UI	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.63	1.32	5.46	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0564	1.49	5.17	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.148	0.714	2.78	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.281	1.03	4.07	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.1	–	–	0.067	mg/L	Y	–	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.89	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.95	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.91	–	–	0.067	mg/L	Y	–	J+	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.96	–	–	0.067	mg/L	Y	–	J+	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.63	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.69	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	Y	3.69	–	–	3	µg/L	Y	J	J	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	4.37	–	–	3	µg/L	Y	J	J	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.87	–	–	3	µg/L	Y	J	J	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.33	–	–	3	µg/L	Y	J	J	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.16	–	–	3	µg/L	Y	J	J	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.5	–	–	3	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.84	–	–	3	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295771	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	6.46	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.303	1.14	4.37	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.505	1.24	4.9	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.858	1.24	4.74	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.78	1.85	7.37	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.752	0.773	3.21	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	1.01	3.51	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.36	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.571	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.573	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.308	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.316	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.363	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.288	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.69	0.786	2.92	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.286	0.635	2.5	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.252	0.653	2.47	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.05	0.796	2.76	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.21	0.662	2.07	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.755	0.732	2.68	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	Y	3.5	1.09	2.1	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.98	0.709	2.13	–	pCi/L	Y	–	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.53	0.799	2.24	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	5.16	1.01	2.58	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.98	1.04	2.74	–	pCi/L	Y	–	J	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	11.7	1.19	2.72	–	pCi/L	Y	–	J	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	5.05	0.982	2.88	–	pCi/L	Y	–	NQ	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	27.3	1.93	2.79	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	90.4	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	89.6	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	84.9	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	87	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	88.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.26	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	8.02	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.87	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.12	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.27	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.6	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.47	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	1.29	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.28	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.28	–	–	0.2	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	N	1.2	–	–	0.2	µg/L	Y	–	U	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	N	1.18	–	–	0.2	µg/L	Y	–	U	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.21	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	1.29	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	8.46	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.96	2.21	8.31	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.65	2.16	8.11	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.993	2.68	9.41	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.546	2.07	7.61	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.616	1.7	5.71	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.98	2.31	7.35	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.613	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.614	–	–	0.017	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.627	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.632	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.59	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.603	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.669	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.601	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.616	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.586	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.586	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.556	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.548	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	0.0409	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	Y	0.0645	0.0171	0.0596	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0329	0.0168	0.0607	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199315	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0372	0.033	0.105	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00742	0.0117	0.0873	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00384	0.00859	0.0771	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0139	0.0101	0.0518	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	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	0.0441	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0129	0.0137	0.0597	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000548	0.0154	0.0609	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0706	0.0223	0.109	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0222	0.0128	0.0907	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.023	0.0122	0.0815	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0111	0.0104	0.0706	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.98	–	–	0.05	mg/L	Y	–	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.67	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	3.72	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.67	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	3.77	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	3.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	3.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	74	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.78	16.6	30.9	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	1.1	26.8	42.6	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.1	23.2	88.1	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	52.3	21.3	52	–	pCi/L	Y	UI	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-36	16.5	52.5	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.9	27.1	50.5	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	08/26/2008	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.262	0.15	0.47	–	pCi/L	Y	U	U	08-1783	CALA-08-13914	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.971	0.248	0.537	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.882	0.225	0.488	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.204	0.122	0.39	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.749	0.202	0.422	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.231	0.135	0.427	–	pCi/L	Y	U	UJ	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.05	0.307	0.575	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.34	0.317	–	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.36	0.341	–	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.34	0.275	–	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.41	0.344	–	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.296	0.279	–	–	pCi/L	Y	U	UJ	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.22	0.335	–	–	pCi/L	Y	J	J	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	08/26/2008	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	-0.377	0.15	0.65	–	pCi/L	Y	U	U	08-1783	CALA-08-13914	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.366	0.198	0.645	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.478	0.257	0.837	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	1.14	0.247	0.677	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.658	0.278	0.887	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.065	0.244	0.846	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.17	0.132	0.447	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.6	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	75.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	75.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	76.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.6	–	–	0.1	mg/L	Y	–	J-	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.4	–	–	0.1	mg/L	Y	–	J-	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	17.7	–	–	0.1	mg/L	Y	–	J-	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.1	–	–	0.1	mg/L	Y	–	J-	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	17.8	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	18.3	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	6.16	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.279	1.19	4.26	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.521	1.05	4.32	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.12	1.37	4.39	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.82	1.44	4.09	–	pCi/L	Y	U	U	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.553	0.796	2.75	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.35	1.03	3.42	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	226	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	248	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	246	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	246	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	246	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	211	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	249	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	–	–	1	µg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	199	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	198	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	186	–	–	1	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	191	–	–	1	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	183	–	–	1	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	185	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	0.489	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0102	0.139	0.488	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00883	0.142	0.494	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.147	0.139	0.491	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0214	0.0925	0.327	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.239	0.139	0.454	–	pCi/L	Y	U	UJ	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.157	0.105	0.345	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.75	–	–	0.133	mg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.6	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.6	–	–	0.133	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.6	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.59	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.31	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.48	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	197	–	–	3.4	mg/L	Y	–	J+	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	191	–	–	3.4	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	181	–	–	3.4	mg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	223	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	207	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	182	–	–	2.38	mg/L	Y	–	J	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	187	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	1.67	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.84	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	1.8	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.75	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	1.73	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.74	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.8	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	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	0.0819	–	pCi/L	Y	–	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.19	0.07	0.0681	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.18	0.0625	0.0547	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.21	0.058	0.0685	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.21	0.059	0.0697	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.1	0.0902	0.0688	–	pCi/L	Y	–	NQ	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.17	0.0751	0.0604	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	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	0.0613	–	pCi/L	Y	U	U	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0138	0.0153	0.0525	–	pCi/L	Y	U	U	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0407	0.0161	0.0422	–	pCi/L	Y	U	UJ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0332	0.0124	0.0512	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0236	0.0122	0.0521	–	pCi/L	Y	U	UJ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00752	0.016	0.0675	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0205	0.00817	0.031	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295770	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9	683.0	09/16/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.609	0.0512	0.0549	–	pCi/L	Y	–	NQ	N3B-2019-3296	CALA-19-185316	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.63	0.0502	0.0619	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199313	GELC
R-9	683.0	08/26/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.623	0.044	0.0497	–	pCi/L	Y	–	NQ	N3B-2020-1614	CALA-20-199315	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.633	0.0428	0.0673	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232088	GELC
R-9	683.0	08/18/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.552	0.0407	0.0685	–	pCi/L	Y	–	NQ	N3B-2021-2336	CALA-21-232123	GELC
R-9	683.0	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.582	0.0581	0.0724	–	pCi/L	Y	–	NQ	N3B-2022-3272	CALA-22-258640	GELC
R-9	683.0	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.625	0.0471	0.0357	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295770	GELC
R-9	683.0	09/16/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	11.7	–	–	1	µg/L	Y	–	NQ	N3B-2019-3296	CALA-19-185317	GELC
R-9	683.0	08/26/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.7	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199314	GELC
R-9	683.0	08/26/2020	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.6	–	–	1	µg/L	Y	–	NQ	N3B-2020-1614	CALA-20-199316	GELC
R-9	683.0	08/18/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.1	–	–	1	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232089	GELC
R-9	683.0	08/18/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.7	–	–	1	µg/L	Y	–	NQ	N3B-2021-2336	CALA-21-232124	GELC
R-9	683.0	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	11.4	–	–	1	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258641	GELC
R-9	683.0	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	11.2	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295771	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.55	–	–	0.01	SU	Y	H	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.67	–	–	0.01	SU	Y	H	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	–	–	0.01	SU	Y	H	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	–	–	0.01	SU	Y	H	J	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	–	–	0.01	SU	Y	H	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.6	–	–	0.01	SU	Y	H	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.5	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.9	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.1	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.3	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.8	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	75.9	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00706	0.00706	0.0197	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0144	0.00674	0.029	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00813	0.00813	0.0722	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0106	0.0136	0.0625	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00771	0.00852	0.0413	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0116	0.00673	0.0598	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0354	–	–	0.017	mg/L	Y	J	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0343	–	–	0.017	mg/L	Y	J	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0553	–	–	0.017	mg/L	Y	–	U	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0343	–	–	0.017	mg/L	Y	J	U	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0307	–	–	0.017	mg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.02	–	–	0.017	mg/L	Y	J	J-	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.46	–	–	2	µg/L	Y	J	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	3.07	–	–	2	µg/L	Y	J	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.03	–	–	2	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.31	–	–	2	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.13	–	–	2	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Arsenic	As	Y	2.26	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38	–	–	1	µg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37	–	–	1	µg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.7	–	–	1	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	37.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	35.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	38.3	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.8	–	–	15	µg/L	Y	J	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.3	–	–	15	µg/L	Y	J	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	20.1	–	–	15	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	21.4	–	–	15	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	26.1	–	–	15	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	30.5	–	–	15	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	–	–	0.067	mg/L	Y	U	U	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.401	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.381	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.124	–	–	0.067	mg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.189	–	–	0.067	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.4	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	20.3	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	19.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	21.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.59	1.33	5.52	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.04	1.18	4.86	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.412	1.45	5.31	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.986	1.29	4.74	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.26	2.08	7.13	–	pCi/L	Y	U	UJ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.41	1.23	4.6	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	42.8	–	–	0.67	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.6	–	–	0.67	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	45.7	–	–	0.67	mg/L	Y	–	J+	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	46.4	–	–	0.67	mg/L	Y	–	J+	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.6	–	–	0.67	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	36.8	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-4.72	1.83	5.18	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.32	1.19	5.02	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.657	1.26	4.71	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.3	2.98	6	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.872	1.54	5.67	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.357	1.03	4.18	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.241	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.217	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.242	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.237	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.256	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.201	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.76	0.952	2.99	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.304	0.731	2.97	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.354	0.628	2.51	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.477	0.671	2.65	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	0.633	0.747	2.89	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1	0.775	2.67	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.92	1	2.78	–	pCi/L	Y	–	NQ	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.42	0.803	2.31	–	pCi/L	Y	–	NQ	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	7.61	1.04	2.61	–	pCi/L	Y	–	UJ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	6.07	0.906	2.35	–	pCi/L	Y	–	UJ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	5.83	0.905	2.47	–	pCi/L	Y	–	NQ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	4.44	1.01	2.71	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	80.1	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	79.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	77.3	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	85.7	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	N	30	–	–	30	µg/L	Y	U	U	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Iron	Fe	Y	170	–	–	30	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.89	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.08	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	7.07	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	6.89	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	7.62	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	9.92	–	–	2	µg/L	Y	J	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	7.21	–	–	2	µg/L	Y	J	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.37	–	–	2	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.35	–	–	2	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	3.7	–	–	2	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Manganese	Mn	Y	3.25	–	–	2	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	7.37	–	–	0.2	µg/L	Y	–	J+	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	7.44	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	7.41	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	7.18	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	7.29	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	5.14	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.11	2.48	9.34	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.0336	2.2	7.82	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.83	3.08	10.4	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.158	2.5	7.96	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.595	2.76	10.2	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.37	2.07	6.37	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	1.37	–	–	0.6	µg/L	Y	J	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	1.83	–	–	0.6	µg/L	Y	J	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Nickel	Ni	Y	1.3	–	–	0.6	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	1.32	–	–	0.6	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	1.96	–	–	0.6	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.4	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.822	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.89	–	–	0.017	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.88	–	–	0.085	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.885	–	–	0.085	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.845	–	–	0.017	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.418	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.521	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.476	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.492	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.597	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	1.19	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	18.2	–	–	0.573	ng/L	Y	–	NQ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	16.8	–	–	0.609	ng/L	Y	–	NQ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	18.5	–	–	0.58	ng/L	Y	–	NQ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	17.7	–	–	0.579	ng/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	10.5	–	–	0.694	ng/L	Y	–	NQ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	9.63	–	–	0.738	ng/L	Y	–	NQ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	9.56	–	–	0.703	ng/L	Y	–	NQ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	12.2	–	–	0.701	ng/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	2.86	–	–	0.694	ng/L	Y	–	NQ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	2.97	–	–	0.738	ng/L	Y	–	NQ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	4.86	–	–	0.703	ng/L	Y	–	NQ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.47	–	–	0.701	ng/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0109	0.0488	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00331	0.00597	0.0397	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00647	0.00778	0.0508	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0407	0.0106	0.0532	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00876	0.00759	0.044	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00309	0.00818	0.0574	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00545	0.0122	0.0731	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00166	0.00702	0.0353	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0259	0.00965	0.0528	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00452	0.00783	0.0553	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00876	0.00693	0.0465	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00309	0.0102	0.0783	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.65	–	–	0.05	mg/L	Y	–	J+	N3B-2021-916	CALA-21-218067	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.58	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	4.6	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	4.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.5	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	4.68	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15	19.5	76.8	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-40.9	15.4	48	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-22.6	17.9	60.5	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.2	19	70.2	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11	31.1	49.4	–	pCi/L	Y	U	UJ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.75	18.1	39.1	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	06/02/2004	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.276	0.114	0.336	–	pCi/L	Y	U	U	114323	GU0405G9iR101	GELC
R-9i S1	189.1	06/02/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	7.62	5.79	19.2	–	pCi/L	Y	U	U	114323	GU0405G9iR101	GELC
R-9i S1	189.1	04/29/2005	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.592	0.14	0.31	–	pCi/L	Y	–	J	135661	GU0504G9iR101	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.498	0.158	0.367	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.519	0.173	0.415	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.654	0.18	0.361	–	pCi/L	Y	–	J+	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.723	0.251	0.508	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.55	0.272	–	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.46	0.307	–	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.38	0.303	–	–	pCi/L	Y	–	J+	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.08	0.324	–	–	pCi/L	Y	J	J	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/06/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	3.02	3.99	13.6	–	pCi/L	Y	U	U	106760	GU0311G9iR101	GELC
R-9i S1	189.1	06/02/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	13.9	7.49	29.3	–	pCi/L	Y	U	U	114323	GU0405G9iR101	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	1.05	0.221	0.582	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.94	0.254	0.745	–	pCi/L	Y	–	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.73	0.244	0.66	–	pCi/L	Y	–	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.362	0.205	0.653	–	pCi/L	Y	U	UJ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	37.4	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	35.7	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	37.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	37.1	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	38.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	38.3	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.1	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.3	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.2	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	28.1	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	26.9	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	25.6	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0753	1.54	6.08	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.21	1.27	4.44	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.24	1.49	5.28	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.04	1.14	4.23	–	pCi/L	Y	U	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.01	1.68	5.49	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.187	0.975	3.93	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	333	–	–	1	µS/cm	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	302	–	–	1	µS/cm	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	345	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	341	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	262	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	316	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	126	–	–	1	µg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	126	–	–	1	µg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	125	–	–	1	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	125	–	–	1	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	121	–	–	1	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	134	–	–	1	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.000708	0.137	0.496	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0553	0.125	0.485	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.15	0.143	0.484	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232121	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.47	0.154	0.482	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.328	0.14	0.447	–	pCi/L	Y	U	UJ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0596	0.12	0.405	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.3	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.8	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.2	–	–	0.133	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.2	–	–	0.133	mg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.2	–	–	0.133	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	231	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	204	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	191	–	–	3.4	mg/L	Y	–	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	196	–	–	3.4	mg/L	Y	–	J	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	175	–	–	2.38	mg/L	Y	–	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	182	–	–	2.38	mg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0394	–	–	0.033	mg/L	Y	J	J+	N3B-2021-916	CALA-21-218068	GELC
R-9i S1	189.1	06/24/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.14	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229507	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.116	–	–	0.033	mg/L	Y	–	U	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.129	–	–	0.033	mg/L	Y	–	U	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0473	–	–	0.033	mg/L	Y	J	J-	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0374	–	–	0.033	mg/L	Y	J	J+	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.19	–	–	0.33	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218068	GELC
R-9i S1	189.1	06/24/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.01	–	–	0.33	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229507	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.01	–	–	0.33	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.01	–	–	0.33	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.811	–	–	0.33	mg/L	Y	J	J	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.576	–	–	0.33	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0516	–	–	0.02	mg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0809	–	–	0.02	mg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0474	–	–	0.02	mg/L	Y	J	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0731	–	–	0.02	mg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0693	–	–	0.02	mg/L	Y	–	U	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.03	–	–	0.02	mg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.494	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.427	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	0.519	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.498	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2369	CALA-21-232131	GELC
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.52	–	–	0.067	µg/L	Y	–	NQ	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	0.724	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4264	CALA-23-295757	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.367	0.0294	0.048	–	pCi/L	Y	–	NQ	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.57	0.0417	0.125	–	pCi/L	Y	–	NQ	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.221	0.0282	0.0706	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.288	0.0297	0.0644	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.186	0.0303	0.0619	–	pCi/L	Y	–	NQ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.255	0.0268	0.0567	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0109	0.00948	0.0294	–	pCi/L	Y	U	U	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0548	0.0151	0.088	–	pCi/L	Y	U	U	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.024	0.0141	0.0528	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0343	0.0112	0.0482	–	pCi/L	Y	U	UJ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00169	0.00698	0.0607	–	pCi/L	Y	U	U	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00723	0.00995	0.0291	–	pCi/L	Y	U	U	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	08/08/2013	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.288	0.0256	0.0417	–	pCi/L	Y	–	NQ	2013-1580	CALA-13-39199	GELC
R-9i S1	189.1	09/21/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.467	0.0374	0.116	–	pCi/L	Y	–	NQ	2015-2363	CALA-15-103996	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.141	0.0258	0.0695	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232121	GELC
R-9i S1	189.1	08/24/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.187	0.0226	0.0633	–	pCi/L	Y	–	NQ	N3B-2021-2369	CALA-21-232130	GELC
R-9i S1	189.1	09/20/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.0237	0.0651	–	pCi/L	Y	–	NQ	N3B-2022-3272	CALA-22-258570	GELC
R-9i S1	189.1	09/11/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.234	0.0245	0.0336	–	pCi/L	Y	–	NQ	N3B-2023-4264	CALA-23-295756	GELC
R-9i S1	189.1	02/22/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.72	–	–	1	µg/L	Y	J	J	N3B-2021-916	CALA-21-218067	GELC
R-9i S1	189.1	06/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.58	–	–	1	µg/L	Y	J	J	N3B-2021-1943	CALA-21-229508	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.52	–	–	1	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232122	GELC
R-9i S1	189.1	08/24/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.56	–	–	1	µg/L	Y	J	J	N3B-2021-2369	CALA-21-232131	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-9i S1	189.1	09/20/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	2.32	–	–	1	µg/L	Y	J	J	N3B-2022-3272	CALA-22-258571	GELC
R-9i S1	189.1	09/11/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Vanadium	V	Y	1.17	–	–	1	µg/L	Y	J	J	N3B-2023-4264	CALA-23-295757	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	–	–	0.01	SU	Y	H	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.1	–	–	0.01	SU	Y	H	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.59	–	–	0.01	SU	Y	H	J	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.59	–	–	0.01	SU	Y	H	J	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.45	–	–	0.01	SU	Y	H	J	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.28	–	–	0.01	SU	Y	H	J	N3B-2023-4486	CALA-23-295755	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	–	–	1.45	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	118	–	–	1.45	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117	–	–	1.45	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	113	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	114	–	–	1.45	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	–	–	0.725	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	0.047	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.024	0.0126	0.0724	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0222	0.0128	0.0656	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000503	0.0188	0.0808	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000333	0.0158	0.0801	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00684	0.00684	0.0704	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	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	–	–	0.017	mg/L	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	–	–	0.017	mg/L	Y	U	U	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0518	–	–	0.017	mg/L	Y	–	U	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0409	–	–	0.017	mg/L	Y	J	J	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0363	–	–	0.017	mg/L	Y	J	J	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.018	–	–	0.017	mg/L	Y	J	J-	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	45.6	–	–	1	µg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	54.1	–	–	1	µg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	50.8	–	–	1	µg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	54	–	–	1	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Barium	Ba	Y	52.1	–	–	1	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Barium	Ba	Y	55.7	–	–	1	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	25.1	–	–	15	µg/L	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	36.8	–	–	15	µg/L	Y	J	J	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	28.6	–	–	15	µg/L	Y	J	J	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	43.5	–	–	15	µg/L	Y	J	J	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Boron	B	Y	39.9	–	–	15	µg/L	Y	J	J	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Boron	B	Y	33.8	–	–	15	µg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.33	–	–	0.067	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.29	–	–	0.067	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.52	–	–	0.067	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.47	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.44	–	–	0.067	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	2.55	–	–	0.067	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	42.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	48.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	48.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	50.7	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Calcium	Ca	Y	50.1	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Calcium	Ca	Y	49.8	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	3.96	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.47	1.5	5.31	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.25	1.22	3.75	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.419	1.42	4.96	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	7.97	3.12	5.02	–	pCi/L	Y	–	U	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.641	1.77	7.07	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39.2	–	–	0.67	mg/L	Y	–	J+	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	38.2	–	–	0.67	mg/L	Y	–	J+	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	40.6	–	–	0.67	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.1	–	–	0.67	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.8	–	–	0.67	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	39	–	–	0.67	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Chromium	Cr	Y	3.82	–	–	3	µg/L	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.41	–	–	3	µg/L	Y	J	J	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.09	–	–	3	µg/L	Y	J	J	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.23	–	–	3	µg/L	Y	J	J	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.65	–	–	3	µg/L	Y	J	J	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Chromium	Cr	Y	3.96	–	–	3	µg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	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	3.59	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.57	1.61	4.15	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.353	1.1	4.62	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.72	2.54	7.08	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.716	1.62	6.25	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.05	2.42	9.53	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.248	–	–	0.033	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.195	–	–	0.033	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.184	–	–	0.033	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.178	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.177	–	–	0.033	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.262	–	–	0.033	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.72	0.989	2.99	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.63	0.918	2.96	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.55	0.968	2.56	–	pCi/L	Y	U	UJ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	2.45	1.01	2.68	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.41	0.853	2.63	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	1.5	0.777	2.26	–	pCi/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.42	1	2.71	–	pCi/L	Y	–	NQ	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.98	0.975	2.6	–	pCi/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12.5	1.2	2.62	–	pCi/L	Y	–	J	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	5.57	1.01	2.42	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:900.0	Gross beta	GROSSB	Y	5.46	0.999	2.4	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	8.94	1.18	2.39	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	144	–	–	0.453	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	160	–	–	0.453	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	163	–	–	0.453	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	174	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	172	–	–	0.453	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	174	–	–	0.453	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	9	–	–	0.11	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	9.79	–	–	0.11	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	10.1	–	–	0.11	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	11.5	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	11.3	–	–	0.11	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Magnesium	Mg	Y	12	–	–	0.11	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Molybdenum	Mo	Y	165	–	–	0.2	µg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	144	–	–	1	µg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	141	–	–	0.2	µg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	146	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	151	–	–	0.2	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Molybdenum	Mo	Y	139	–	–	0.2	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	8.76	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.749	2.44	9.11	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.31	2.52	9.6	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.19	2.61	9.3	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.743	2.91	10.5	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.47	3.24	12	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Nickel	Ni	Y	3.85	–	–	0.6	µg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.77	–	–	0.6	µg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.25	–	–	0.6	µg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.49	–	–	0.6	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.75	–	–	0.6	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Nickel	Ni	Y	2.16	–	–	0.6	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
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	–	–	0.017	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.4	–	–	0.085	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.39	–	–	0.085	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.28	–	–	0.085	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.29	–	–	0.085	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.33	–	–	0.017	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.652	–	–	0.05	µg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.585	–	–	0.05	µg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.576	–	–	0.05	µg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.523	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.532	–	–	0.05	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.767	–	–	0.05	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.06	–	–	0.58	ng/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	1.63	–	–	0.568	ng/L	Y	–	NQ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	1.76	–	–	0.563	ng/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	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	0.0398	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00708	0.00708	0.0769	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0356	0.0455	0.167	–	pCi/L	Y	U	UJ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00411	0.0123	0.0826	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0354	0.0143	0.0712	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0241	0.00971	0.0497	–	pCi/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	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	0.0429	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0142	0.0112	0.104	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0355	0.0455	0.174	–	pCi/L	Y	U	UJ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00822	0.0101	0.0872	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0112	0.0752	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0114	0.0678	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.93	–	–	0.05	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.07	–	–	0.05	mg/L	Y	–	J	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.05	–	–	0.05	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	5.74	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Potassium	K	Y	5.79	–	–	0.05	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Potassium	K	Y	6.88	–	–	0.05	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	67.2	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.0674	19	71.9	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.8	17.9	73	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-42.8	26.3	81.8	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	Y	86.3	26.2	66.7	–	pCi/L	Y	–	J	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-30.3	25.4	93.5	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.549	0.194	0.506	–	pCi/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.03	0.252	0.493	–	pCi/L	Y	–	NQ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.69	0.239	0.619	–	pCi/L	Y	–	J+	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.763	0.223	0.496	–	pCi/L	Y	–	J+	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.81	0.211	0.472	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.742	0.28	–	–	pCi/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	2.14	0.333	–	–	pCi/L	Y	–	NQ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.51	0.356	–	–	pCi/L	Y	–	J+	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.47	0.35	–	–	pCi/L	Y	J	J+	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.3	0.342	–	–	pCi/L	Y	J	J	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.192	0.201	0.689	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	1.11	0.218	0.554	–	pCi/L	Y	–	NQ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.816	0.263	0.717	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.707	0.27	0.788	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.492	0.269	0.85	–	pCi/L	Y	U	UJ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	63.8	–	–	0.053	mg/L	Y	–	J+	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.9	–	–	0.053	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	64.2	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	63.8	–	–	0.053	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Silicon Dioxide	SiO2	Y	63.5	–	–	0.053	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18	–	–	0.1	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.6	–	–	0.1	mg/L	Y	–	J	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	19.8	–	–	0.1	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	19.8	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Sodium	Na	Y	20	–	–	0.1	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Sodium	Na	Y	21.8	–	–	0.1	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	5.08	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.29	1.33	4.21	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.284	1.46	5.53	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.369	1.71	6.28	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.433	1.59	6.07	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.97	1.95	5.5	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	400	–	–	1	µS/cm	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	418	–	–	1	µS/cm	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	446	–	–	1	µS/cm	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	456	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	463	–	–	1	µS/cm	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	447	–	–	1	µS/cm	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	238	–	–	1	µg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	276	–	–	1	µg/L	Y	–	J	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	263	–	–	1	µg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	266	–	–	1	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Strontium	Sr	Y	268	–	–	1	µg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Strontium	Sr	Y	305	–	–	1	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	0.482	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.201	0.129	0.43	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.11	0.143	0.492	–	pCi/L	Y	U	UJ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.268	0.151	0.489	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.2	0.112	0.366	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.21	0.128	0.46	–	pCi/L	Y	U	U	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	31.7	–	–	1.33	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	34.2	–	–	1.33	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	38.1	–	–	1.33	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	35.6	–	–	1.33	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	36.2	–	–	1.33	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	39.3	–	–	1.33	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	274	–	–	3.4	mg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	293	–	–	3.4	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	307	–	–	3.4	mg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	294	–	–	2.38	mg/L	Y	–	J	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	299	–	–	2.38	mg/L	Y	–	J	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	306	–	–	2.38	mg/L	Y	–	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.992	–	–	0.33	mg/L	Y	J	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.54	–	–	0.33	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	0.877	–	–	0.33	mg/L	Y	J	J	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.61	–	–	0.33	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	2.11	–	–	0.33	mg/L	Y	–	NQ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060A	Total Organic Carbon	TOC	Y	1.4	–	–	0.33	mg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	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	–	–	0.02	mg/L	Y	–	U	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0888	–	–	0.02	mg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.04	–	–	0.02	mg/L	Y	J	U	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0854	–	–	0.02	mg/L	Y	–	J	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.112	–	–	0.02	mg/L	Y	–	J	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.029	–	–	0.02	mg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020A	Uranium	U	Y	1.76	–	–	0.067	µg/L	Y	–	NQ	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.67	–	–	0.067	µg/L	Y	–	NQ	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	1.89	–	–	0.067	µg/L	Y	–	NQ	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.03	–	–	0.067	µg/L	Y	–	J+	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6020B	Uranium	U	Y	2.02	–	–	0.067	µg/L	Y	–	J+	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6020B	Uranium	U	Y	2.08	–	–	0.067	µg/L	Y	–	NQ	N3B-2023-4486	CALA-23-295755	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	0.0951	–	pCi/L	Y	–	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.53	0.0731	0.0792	–	pCi/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Units	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.28	0.0798	0.105	–	pCi/L	Y	–	NQ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.39	0.111	0.0829	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.48	0.123	0.0945	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.66	0.109	0.083	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	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	0.0713	–	pCi/L	Y	U	U	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0418	0.0167	0.0514	–	pCi/L	Y	U	U	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0102	0.0177	0.0788	–	pCi/L	Y	U	U	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0154	0.0136	0.0809	–	pCi/L	Y	U	U	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.041	0.0196	0.0923	–	pCi/L	Y	U	UJ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.06	0.0157	0.0427	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	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	0.0638	–	pCi/L	Y	–	J	N3B-2019-3371	CALA-19-185302	GELC
TA-53i	600.0	09/11/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.618	0.0469	0.0707	–	pCi/L	Y	–	NQ	N3B-2020-1746	CASA-20-199319	GELC
TA-53i	600.0	08/20/2021	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.673	0.0558	0.104	–	pCi/L	Y	–	NQ	N3B-2021-2350	CALA-21-232072	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.612	0.0631	0.0872	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258574	GELC
TA-53i	600.0	09/13/2022	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.702	0.072	0.0994	–	pCi/L	Y	–	NQ	N3B-2022-3176	CALA-22-258578	GELC
TA-53i	600.0	09/20/2023	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.728	0.0588	0.0492	–	pCi/L	Y	–	NQ	N3B-2023-4486	CALA-23-295754	GELC
TA-53i	600.0	09/18/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.68	–	–	3.3	µg/L	Y	J	J	N3B-2019-3371	CALA-19-185303	GELC
TA-53i	600.0	09/11/2020	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	4.47	–	–	3.3	µg/L	Y	J	U	N3B-2020-1746	CASA-20-199320	GELC
TA-53i	600.0	08/20/2021	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.72	–	–	3.3	µg/L	Y	J	J	N3B-2021-2350	CALA-21-232073	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	–	–	3.3	µg/L	Y	U	U	N3B-2022-3176	CALA-22-258575	GELC
TA-53i	600.0	09/13/2022	WG	F	INIT	FD	INORGANIC	SW-846:6010D	Zinc	Zn	N	3.3	–	–	3.3	µg/L	Y	U	U	N3B-2022-3176	CALA-22-258579	GELC
TA-53i	600.0	09/20/2023	WG	F	INIT	REG	INORGANIC	SW-846:6010D	Zinc	Zn	Y	5.12	–	–	3.3	µg/L	Y	J	J	N3B-2023-4486	CALA-23-295755	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	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-3.2a	181.4	09/12/2023	Inorganic	Chromium	Cr	F[a]	INIT[b]	REG[c]	Y[d]	33.2	3.00	µg/L	1.0	—[e]	NQ[f]	NQ	Y	SW-846:6020B	GELC[g]	50	NM GW STD[h]	0.66
Intermediate	LAOI-7	240.0	09/12/2023	Inorganic	Manganese	Mn	F	INIT	REG	Y	221	2.00	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	200	NM GW STD	1.11
Intermediate	LAOI-7	240.0	09/12/2023	Inorganic	Nickel	Ni	F	INIT	REG	Y	959	0.600	µg/L	1.0	—	NQ	NQ	Y	SW-846:6020B	GELC	200	NM GW STD	4.80
Intermediate	R-5 S2	372.8	09/15/2023	General chemistry	Fluoride	F(-1)	F	INIT	FD[i]	Y	1.26	0.0330	mg/L	1.0	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NM GW STD	0.79
Intermediate	R-5 S2	372.8	09/15/2023	General chemistry	Fluoride	F(-1)	F	INIT	REG	Y	1.26	0.0330	mg/L	1.0	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NM GW STD	0.79
Intermediate	R-6i	602.0	09/05/2023	General chemistry	Fluoride	F(-1)	F	INIT	FD	Y	1.35	0.0330	mg/L	1.0	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NM GW STD	0.84
Intermediate	R-6i	602.0	09/05/2023	General chemistry	Fluoride	F(-1)	F	INIT	REG	Y	1.51	0.0330	mg/L	1.0	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NM GW STD	0.94
Regional	R-64	1285.0	09/06/2023	Rad	Radium-226	Ra-226	UF[j]	INIT	REG	Y	2.52	—	pCi/L	1.0	—	NQ	NQ	Y	EPA:903.1	GELC	5	NM GW STD	0.50

[a] F = Filtered.

[b] INIT = Initial.

[c] REG = Regular.

[d] Y = Yes.

[e] — = Not applicable.

[f] NQ = Not qualified.

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

[h] NM GW STD = New Mexico Water Quality Control Commission groundwater standard.

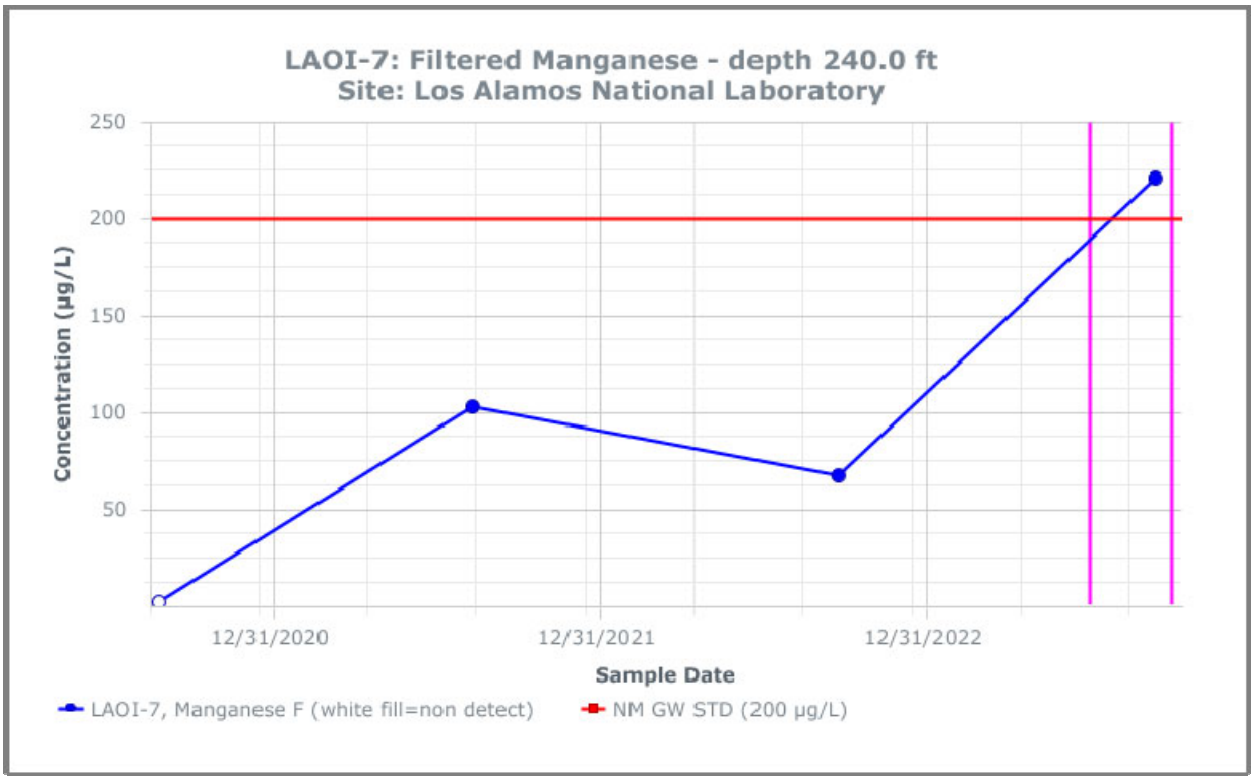
[i] FD = Field duplicate.

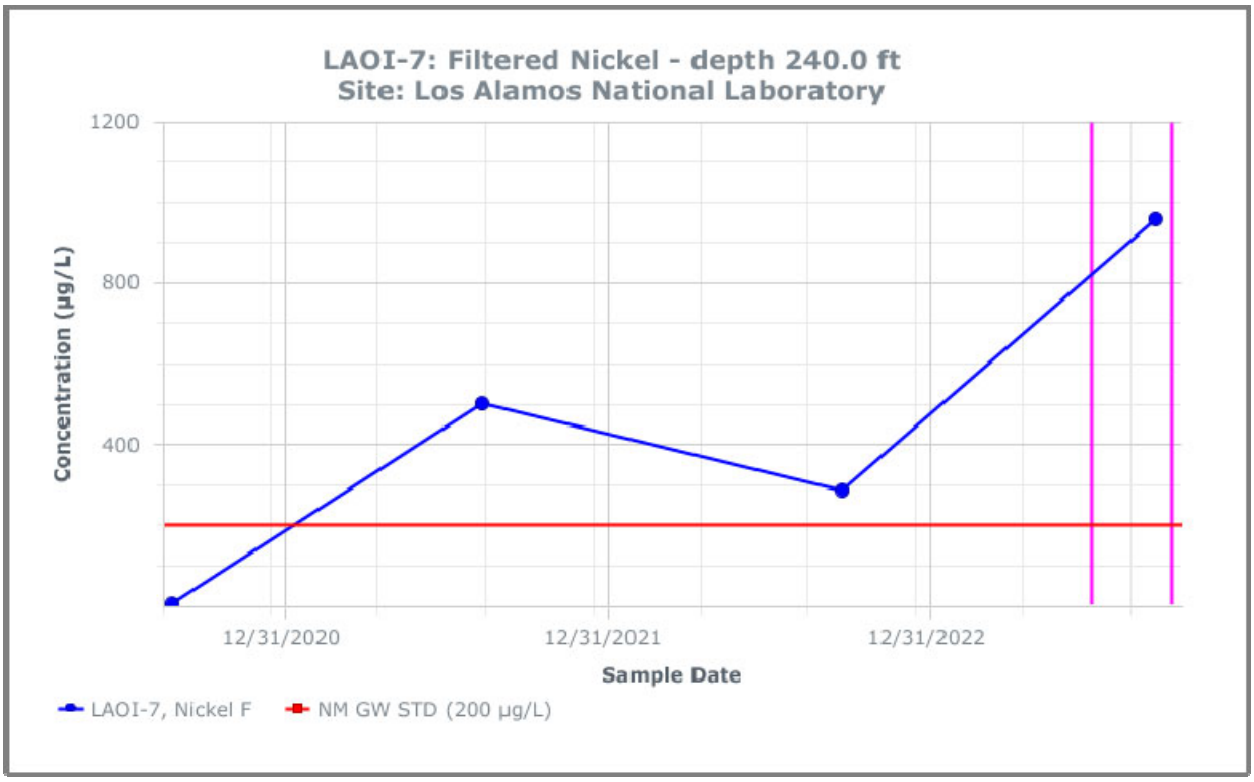
[j] UF = Unfiltered.

Appendix E

Analytical Chemistry Graphs of Screening-Value Exceedances

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





Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

COC Number	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth (ft)	Screen End (Bottom) Depth (ft)
N3B-2023-4194	Inorganic	GELC[a]	CALA-23-295759	09/05/2023	R-6	1205.0	1228.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295758	09/05/2023	R-6	1205.0	1228.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295749	09/05/2023	R-6i	602.0	612.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295748	09/05/2023	R-6i	602.0	612.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295750	09/05/2023	R-6i	602.0	612.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295747	09/05/2023	R-6i	602.0	612.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295762	09/05/2023	R-8 S1[b]	705.31	755.7
N3B-2023-4194	Inorganic	GELC	CALA-23-295763	09/05/2023	R-8 S1	705.31	755.7
N3B-2023-4194	Inorganic	GELC	CALA-23-295765	09/05/2023	R-8 S2[c]	821.3	828.0
N3B-2023-4194	Inorganic	GELC	CALA-23-295764	09/05/2023	R-8 S2	821.3	828.0
N3B-2023-4194	Organic	GELC	CALA-23-295758	09/05/2023	R-6	1205.0	1228.0
N3B-2023-4194	Rad[d]	GELC	CALA-23-295758	09/05/2023	R-6	1205.0	1228.0
N3B-2023-4194	Rad	GELC	CALA-23-295747	09/05/2023	R-6i	602.0	612.0
N3B-2023-4194	Rad	GELC	CALA-23-295749	09/05/2023	R-6i	602.0	612.0
N3B-2023-4194	Rad	GELC	CALA-23-295762	09/05/2023	R-8 S1	705.31	755.7
N3B-2023-4194	Rad	GELC	CALA-23-295764	09/05/2023	R-8 S2	821.3	828.0
N3B-2023-4224	Inorganic	GELC	CALA-23-295766	09/06/2023	R-64	1285.0	1305.5
N3B-2023-4224	Inorganic	GELC	CALA-23-295767	09/06/2023	R-64	1285.0	1305.5
N3B-2023-4224	Inorganic	GELC	CALA-23-295768	09/06/2023	R-66	819.4	839.7
N3B-2023-4224	Inorganic	GELC	CALA-23-295769	09/06/2023	R-66	819.4	839.7
N3B-2023-4224	Rad	GELC	CALA-23-295766	09/06/2023	R-64	1285.0	1305.5
N3B-2023-4224	Rad	GELC	CALA-23-295768	09/06/2023	R-66	819.4	839.7
N3B-2023-4264	Inorganic	GELC	CALA-23-295076	09/11/2023	LAOI(a)-1.1	295.2	305.0
N3B-2023-4264	Inorganic	GELC	CALA-23-295077	09/11/2023	LAOI(a)-1.1	295.2	305.0
N3B-2023-4264	Inorganic	GELC	CALA-23-295771	09/11/2023	R-9	683.0	748.5
N3B-2023-4264	Inorganic	GELC	CALA-23-295770	09/11/2023	R-9	683.0	748.5
N3B-2023-4264	Inorganic	GELC	CALA-23-295757	09/11/2023	R-9i S1	189.1	199.5
N3B-2023-4264	Inorganic	GELC	CALA-23-295756	09/11/2023	R-9i S1	189.1	199.5
N3B-2023-4264	Organic	GELC	CALA-23-295756	09/11/2023	R-9i S1	189.1	199.5
N3B-2023-4264	Rad	GELC	CALA-23-295076	09/11/2023	LAOI(a)-1.1	295.2	305.0
N3B-2023-4264	Rad	GELC	CALA-23-295770	09/11/2023	R-9	683.0	748.5
N3B-2023-4264	Rad	GELC	CALA-23-295756	09/11/2023	R-9i S1	189.1	199.5
N3B-2023-4319	Inorganic	GELC	CALA-23-295085	09/12/2023	LAOI-3.2a	181.4	191.0
N3B-2023-4319	Inorganic	GELC	CALA-23-295086	09/12/2023	LAOI-3.2a	181.4	191.0
N3B-2023-4319	Inorganic	GELC	CALA-23-295746	09/12/2023	LAOI-7	240.0	259.6
N3B-2023-4319	Inorganic	GELC	CALA-23-295745	09/12/2023	LAOI-7	240.0	259.6

COC Number	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth (ft)	Screen End (Bottom) Depth (ft)
N3B-2023-4319	Organic	GELC	CALA-23-295745	09/12/2023	LAOI-7	240.0	259.6
N3B-2023-4319	Rad	GELC	CALA-23-295085	09/12/2023	LAOI-3.2a	181.4	191.0
N3B-2023-4319	Rad	GELC	CALA-23-295745	09/12/2023	LAOI-7	240.0	259.6
N3B-2023-4390	Inorganic	GELC	CAPU-23-295773	09/15/2023	R-5 S2	372.8	388.8
N3B-2023-4390	Inorganic	GELC	CAPU-23-295774	09/15/2023	R-5 S2	372.8	388.8
N3B-2023-4390	Inorganic	GELC	CAPU-23-295775	09/15/2023	R-5 S2	372.8	388.8
N3B-2023-4390	Inorganic	GELC	CAPU-23-295772	09/15/2023	R-5 S2	372.8	388.8
N3B-2023-4390	Inorganic	GELC	CALA-23-295760	09/15/2023	R-7 S3	895.5	937.4
N3B-2023-4390	Inorganic	GELC	CALA-23-295761	09/15/2023	R-7 S3	895.5	937.4
N3B-2023-4390	Rad	GELC	CAPU-23-295772	09/15/2023	R-5 S2	372.8	388.8
N3B-2023-4390	Rad	GELC	CAPU-23-295774	09/15/2023	R-5 S2	372.8	388.8
N3B-2023-4390	Rad	GELC	CALA-23-295760	09/15/2023	R-7 S3	895.5	937.4
N3B-2023-4431	Inorganic	GELC	CALA-23-295083	09/18/2023	LAOI-3.2	153.3	162.8
N3B-2023-4431	Inorganic	GELC	CALA-23-295084	09/18/2023	LAOI-3.2	153.3	162.8
N3B-2023-4431	Rad	GELC	CALA-23-295083	09/18/2023	LAOI-3.2	153.3	162.8
N3B-2023-4486	Inorganic	GELC	CALA-23-295754	09/20/2023	TA-53i	600.0	610.0
N3B-2023-4486	Inorganic	GELC	CALA-23-295755	09/20/2023	TA-53i	600.0	610.0
N3B-2023-4486	Organic	GELC	CALA-23-295754	09/20/2023	TA-53i	600.0	610.0
N3B-2023-4486	Rad	GELC	CALA-23-295754	09/20/2023	TA-53i	600.0	610.0

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

[b] S1 = Screen 1.

[c] S2 = Screen 2.

[d] Rad = Radiochemistry (not gamma).

1596000 1608000 1620000 1632000 1644000 1656000 1668000 1680000

1800000 1790000 1780000 1770000 1760000 1750000

Valles Caldera National Preserve

Santa Fe National Forest

Department Of Energy

Pueblo de San Ildefonso

Los Alamos Canyon Watershed

Pueblo Canyon Watershed

Pajarito Mountain

Los Alamos Town Site

Pueblo Canyon

Los Alamos Canyon

R-64 R-6 R-6i LAO(a)-1.1 R-8 S1 R-5 S2 R-66 R-8 S2 R-7 S3 LADP-3 LAOI-3.2 LAOI-3.2a LAOI-7 TA-53i R-9 R-9i S1

TA-43 TA-62 TA-41 TA-02 TA-21 TA-03 TA-58 TA-69 TA-60 TA-48 TA-64 TA-08 TA-06 TA-55 TA-35 TA-22 TA-50 TA-52 TA-40 TA-09 TA-66 TA-46 TA-14 TA-67 TA-15 TA-53 TA-72 TA-36 TA-68 TA-71

501 501 4 4 4 30 502

Bandelier/Tsankawi

Sandia Canyon Watershed

Santa Fe National Forest

Los Alamos National Laboratory

Pueblo de San Ildefonso

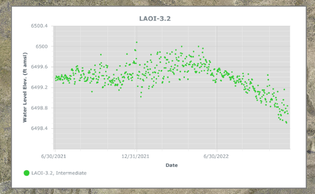
Bandelier National Monument

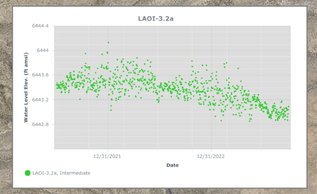
White Rock Community

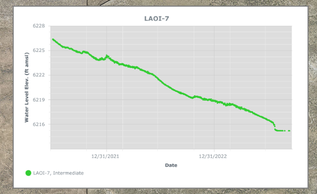
Santa Fe National Forest

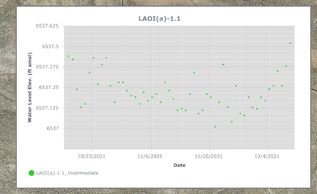
BLM

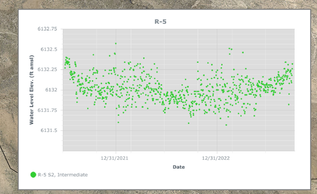
Rio Grande

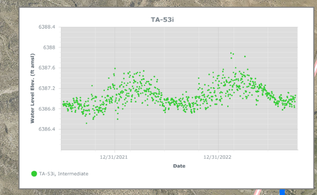


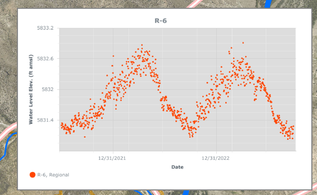


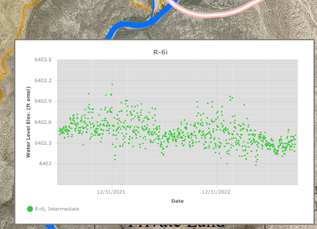


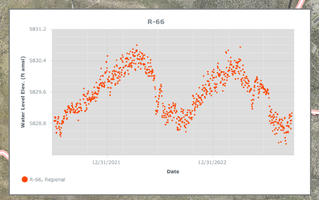


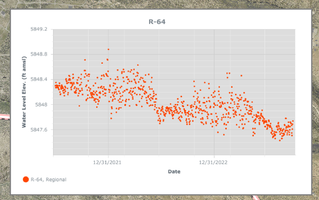


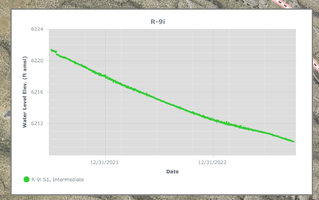


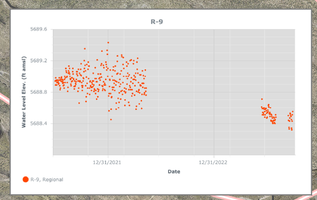


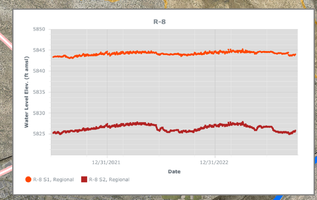


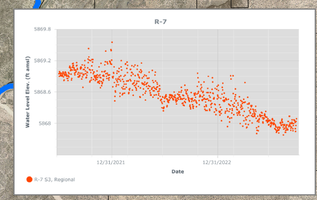












TA-21 Monitoring Group

Intermediate well
Regional well

Plate 1 Groundwater elevations

Rio Grande
Primary drainage
Los Alamos National Laboratory
TA boundary
Major road
Structure
Los Alamos Canyon
Pueblo Canyon watershed
Sandia Canyon Watershed

New Mexico State Plane Coordinate System Central Zone (3002)
North American Datum, 1983 (NAD 83), US Survey Ft

GIS: Jeffrey Lyon, jeffrey.lyon@em-la.doe.gov
Created: 09-January-2024
Last Opened: Thursday, January 11, 2024

File: 19-0044-04_waterlevel_plate_2024

0 0.5 1 2 Miles