Ltr: EMID-701599
TA-16 260: EMID-701603
MDA AB: EMID-701604

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

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NMED Hazardous Waste Bureau

EMLA-2021-BF155-02-001

August 27, 2021

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

Subject: Submittal of the 2021 Annual Periodic Monitoring Reports for the Technical Area 16 260 and Material Disposal Area AB Monitoring Groups

Dear Mr. Maestas:

Enclosed please find two hard copies with electronic files of the "2021 Annual Periodic Monitoring Report for the Technical Area 16 260 Monitoring Group, Pajarito Canyon and Water Canyon/ Cañon de Valle Watersheds" and the "2021 Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon." The reports include results from monitoring years 2020 and 2021. In accordance with the New Mexico Environment Department–approved "Interim Facility-Wide Groundwater Monitoring Plan, October 2019–September 2020," and the U.S. Department of Energy letter, "Confirmation of Due Date for Next Submittal of the Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon," dated August 25, 2020 (EMLA-2020-1557-02-001), the Material Disposal Area (MDA) AB periodic monitoring report was not submitted in 2020.

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

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

Sincerely,

ARTURO DURAN
Digitally signed by ARTURO DURAN
Date: 2021.08.24 15:19:19 -06'00'

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

Enclosure(s): Two hard copies with electronic files:

1. 2021 Annual Periodic Monitoring Report for the Technical Area 16 260 Monitoring Group, Pajarito Canyon and Water Canyon/Cañon de Valle Watersheds (EM2021-0360)
2. 2021 Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon (EM2021-0361)

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August 2021
EM2021-0361

2021 Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon

N3B Los Alamos

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

EM2021-0361

2021 Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon

August 2021

Responsible program director:

Printed Name	Signature	Title	Organization	Date
Steve Veenis	Steve Veenis	T2S Program Director	Water Program	8/23/2021

Responsible N3B representative:

Printed Name	Signature	Title	Organization	Date
Troy Thomson	For	Acting Program Manager	N3B Environmental Remediation Program	8/20/2021

Responsible DOE EM-LA representative:

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Arturo Q. Duran	ARTURO DURAN Digitally signed by ARTURO DURAN Date: 2021.08.26 13:10:40 -06'00'	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents the Newport News Nuclear BWXT-Los Alamos, LLC, groundwater monitoring program results for the Material Disposal Area (MDA) AB 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 2020 Monitoring Year, October 2019–September 2020” (2020 IFGMP), prepared in accordance with the Compliance Order on Consent.

All active monitoring locations in the MDA AB monitoring group are located within the Ancho Canyon and Water Canyon watersheds. The MDA AB monitoring group includes the monitoring of groundwater well and well screen locations.

This PMR presents monitoring results for one periodic monitoring event (PME) conducted during the fourth quarter of the 2020 monitoring year. In addition to results from the current PME, results are reported for the previous four PMEs as well as for earlier MDA AB monitoring group PMEs that have not yet been reported because the validated laboratory data were not available at the time of the previous MDA AB PMR publications.

Groundwater samples collected during the PME were analyzed for all or some of the following analytical groups as specified in the 2020 IFGMP: metals; volatile organic compounds; semivolatile organic compounds; low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances; high explosives; radionuclides; low-level tritium; and general inorganic chemicals (including perchlorate). The same samples were also analyzed for the following field parameters: dissolved oxygen, flow rate (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

One groundwater analytical result reported in this PMR was detected above the applicable screening value.

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

Acronyms and Abbreviations

µS/cm	microsiemens per centimeter
AOC	area of concern
bgs	below ground surface
CAS	Chemical Abstracts Service
COC	chain of custody
Consent Order	Compliance Order on Consent
deg C	degrees Celsius
DoD	Department of Defense (U.S.)
DOE	Department of Energy (U.S.)
DQO	data quality objective
EIM	Environmental Information Management System
EPA	Environmental Protection Agency (U.S.)
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FTB	field trip blank
GELC	GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC
gpm	gallons per minute
HE	high explosives
HMX	Her Majesty's Explosive
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
mV	millivolts
N	no (best value flag code)
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PEB	performance evaluation blank

PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
QSM	quality systems manual
Rad	radiochemistry (not gamma)
RDX	Royal Demolition Explosive
SAP	sampling and analysis plan
SIM	selected ion monitoring
SOP	standard operating procedure
SU	standard unit
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TA	technical area
TNT	2,4,6-trinitrotoluene
VOC	volatile organic compound
WCSF	waste characterization strategy form
WG	groundwater
Y	yes (best value flag code)

1.0 INTRODUCTION

This annual periodic monitoring report (PMR) for the Material Disposal Area (MDA) AB monitoring group provides documentation of the following groundwater periodic monitoring event (PME) conducted by Newport News Nuclear BWXT-Los Alamos, LLC (N3B):

Watersheds	PMEs Reported in this PMR		PME Field Sampling	
	Monitoring Year	Quarter	Begin	End
Ancho Canyon and Water Canyon	2020	4	07/29/2020	08/01/2020*

*Resampling was conducted at R-29 for Royal Demolition Explosive (RDX) on November 17, 2020.

The annual MDA AB monitoring group PMR is submitted to the New Mexico Environment Department (NMED) every August. This PMR includes results from the MDA AB monitoring group PME performed in the fourth quarter of the 2020 monitoring year.

In addition to results from the current PME, results are reported for the previous four PMEs as well as for earlier MDA AB monitoring group PMEs that have not yet been reported because the validated laboratory data were not available at the time of the previous MDA AB PMR publications.

The PME reported in this PMR includes sampling of groundwater well and well screen locations pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019–September 2020” (2020 IFGMP) (N3B 2019, 700451), prepared in accordance with the 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 potential need for cleanup (corrective action) if results indicate that contaminants are present at concentrations above screening values.

This report presents the following information:

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

All information associated with analyses of radionuclides is voluntarily provided to NMED in accordance with U.S. Department of Energy (DOE) policy.

1.1 Background

Groundwater monitoring is conducted at MDA AB to support the corrective measures process for solid waste management units (SWMUs) and areas of concern (AOCs) under the Consent Order. The MDA AB monitoring group includes both perched-intermediate and regional groundwater monitoring wells in the near vicinity of MDA AB. Other downgradient wells have general relevance to MDA AB and other upgradient sources but are not considered part of the MDA AB monitoring network and are not included in the monitoring group.

The MDA AB monitoring group is located in Technical Area 49 (TA-49). Figure 1.1-1 shows the location of the MDA AB within the Los Alamos National Laboratory (LANL or the Laboratory) footprint. TA-49, also known as the Frijoles Mesa Site, is located on a mesa in the upper portion of the Ancho Canyon drainage, and part of the TA drains into Water Canyon. The canyons in the Ancho watershed are mainly dry with little alluvial groundwater and no known intermediate groundwater.

MDA AB was the site of underground nuclear weapons component testing from 1959 to 1961 (Purtymun and Stoker 1987, 006688; LANL 1988, 223036). The tests involved insufficient high explosives (HE) and fissionable material to produce a nuclear reaction. The testing consisted of criticality, equation-of-state, and calibration experiments involving special nuclear materials. The testing involved large inventories of radioactive and hazardous materials, including isotopes of uranium and plutonium; lead; beryllium; HEs, such as 2,4,6-trinitrotoluene (TNT), Royal Demolition Explosive (RDX), and Her Majesty's Explosive (HMX); and barium nitrate. Much of this material remains in shafts on the mesa top. Further information about activities and SWMUs and AOCs at TA-49 can be found in recent LANL reports (LANL 2010, 109318; LANL 2010, 109319).

2.0 SCOPE OF ACTIVITIES

All active monitoring locations in the MDA AB monitoring group are located within the Ancho Canyon and Water Canyon watersheds. Monitoring locations include one perched-intermediate well and three groundwater wells completed within the deep regional aquifer.

Groundwater samples collected during the PME were analyzed for some or all of the following analytical groups as specified in the 2020 IFGMP (N3B 2019, 700451): metals; volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs); low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances; HE; radionuclides; low-level tritium; and general inorganic chemicals (including perchlorate). The same samples were also analyzed for the following field parameters: dissolved oxygen, flow rate (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

Purge water is managed and characterized in accordance with the relevant version of the waste characterization strategy form (WCSF), "Groundwater Monitoring Pursuant to IFGMP and Chromium Performance Monitoring" (N3B 2020, 701093). Purge water is stored until characterization is complete, and if requirements are met, the purge water can be land-applied in accordance with the standard operating procedure (SOP), "Land Application of Groundwater" (N3B-EPC-CP-QP-010), and the standing order, "Land Application of Groundwater" (N3B-SO-ER-0003), which implements the NMED-approved decision tree for land application of drilling, development, rehabilitation, and purge water.

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

2.1 Deviations from Planned Scope

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

3.0 REGULATORY CRITERIA

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

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 2020 IFGMP (N3B 2019, 700451).

4.2 Comparison of Target Analytes and Method Detection Limits

Several analytes have a range of method detection limits (MDLs). For some of these analytes, the MDL is much lower than for earlier analyses. Table 4.2-1 presents a list of target analytes with analytical MDLs

equal to or greater than screening values. Table 4.2-2 presents a list of analytes with MDLs that range from below to above screening values. The tables include the analytical method and analytical laboratory for reference.

4.3 Field Parameter Results

Appendix A presents the field parameter measurements associated with the sampling and analytical data reported in this PMR, including dissolved oxygen, flow rate, oxidation-reduction potential, pH, specific conductance, temperature, and turbidity. Table 2.1-1 notes any instances where the parameter stabilization requirement could not be met.

4.4 Groundwater Elevations

The groundwater elevations are measured at each monitoring location before purging and sampling at that location, as required by the Consent Order. In addition to collecting groundwater-elevation data before purging and sampling, N3B collects groundwater-elevation data “continuously” (e.g., hourly, daily) for most monitoring locations, and these data are voluntarily presented in this PMR. Any gaps in the continuous groundwater-elevation records presented in this PMR are a result of one or more of the following conditions:

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

There are no data gaps in this PMR.

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

Groundwater-elevation measurements are shown graphically in Figure 4.4-1. For wells equipped with transducers, the reported groundwater level is the first groundwater level measurement taken on each day. Figure 4.4-2 shows the elevation of the regional groundwater surface and flow directions. Regional contours were generated in ArcGIS using average groundwater elevations in November 2019. All groundwater-elevation data for locations with transducers are reported in Appendix B and in Figure 4.4-1.

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 2020 IFGMP (N3B 2019, 700451). 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 reports.

Sampling and analysis plans (SAPs) are created using the “Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019–September 2020” Tables 1.7-2, 1.8-1, 1.11-1, and 7.4-1

(N3B 2019, 700451). 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.

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 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 the IFGMP reports in Appendix D.

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

In addition to analyzing the field samples and field QA/QC samples, laboratories also employ laboratory batch QA/QC samples. These include matrix spikes, duplicates, method blanks, and laboratory control samples that 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 is then independently validated through the N3B data validation process, as 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.” N3B-PLN-SDM-1000 sets the validation frequency criteria at 100% Level 1 examination and Level 2 verification of data and at 10% minimum Level 3 validation of data. 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 quality control 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. 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 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-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 usability and 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 PME 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 of 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, 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 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. No gamma spectroscopy results for these analytes are 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. These multiple results for the same analyte have the same sample ID, analytical laboratory code, and analytical method. Validation determines the more accurate result, which is marked with a best-value flag of “Y” (yes). The other results for that analyte, which were validated to be of lower quality, are assigned a best-value flag of “N” (no). The best-value flag is included in Appendix C.

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 were detected above its screening value in both a primary sample and its associated FD, only the primary sample result would be recorded. If aluminum were detected above its screening value in the FD but not in the primary sample, then the FD would be recorded.

The analytical results for radionuclides and radioactivity are voluntarily compared with DOE’s “Derived Concentration Technical Standard” (DOE 2011, 600493) for groundwater but are not reported in Table 5.2-1 or Appendix D.

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. Results with a best value flag of N are not included in Appendix E. One groundwater analytical result reported in this PMR exceeded applicable screening values and is shown in Appendix E and also described in sections 5.2.1.2 and 6.2.1.

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

5.2.1 Groundwater

5.2.1.1 Perched-Intermediate Monitoring Wells

No detected analytical results from perched-intermediate aquifer wells reported in this PMR were above applicable screening values.

5.2.1.2 Regional Monitoring Wells

The unfiltered FD sample result for RDX collected at well R-29 (14.9 µg/L) on August 1, 2020, is above the NMED tap water screening level (screening value) of 9.66 µg/L. The regular sample result differed significantly from the FD. The regular sample result was a nondetection (<0.0842 µg/L). RDX has not been historically detected at this well. The 24 previous samples collected since May 10, 2010, were all nondetections. To further confirm the presence or absence of this anomalous result at R-29, the well was resampled on November 17, 2020, and the results for both the regular and FD samples from this resampling were nondetections (<0.0976 µg/L).

5.3 Sampling Program Modifications

Dioxane[1,4-] and nitrosamines will now be analyzed using low-level methods and sampled at the same frequency as the SVOC analytical suite.

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

One groundwater analytical result reported in this PMR exceeded applicable screening values (Table 5.2-1). This was the RDX result from a FD sample taken from well R-29 on August 1, 2020. As described in section 5.2.1.2, this RDX detection was inconsistent with the nondetected RDX result from the concurrent regular sample. The detected FD result was also inconsistent with historical nondetection results and with nondetections from a November 17, 2020, resampling at R-29, indicating that the detection was anomalous.

6.3 Data Gaps

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

6.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the MDA AB monitoring group because no groundwater remediation systems are required for the MDA AB area.

7.0 REFERENCES

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

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Purtymun, W.D., and A.K. Stoker, November 1987. "Environmental Status of Technical Area 49, Los Alamos, New Mexico," Los Alamos National Laboratory report LA-11135-MS, Los Alamos, New Mexico. (Purtymun and Stoker 1987, 006688)

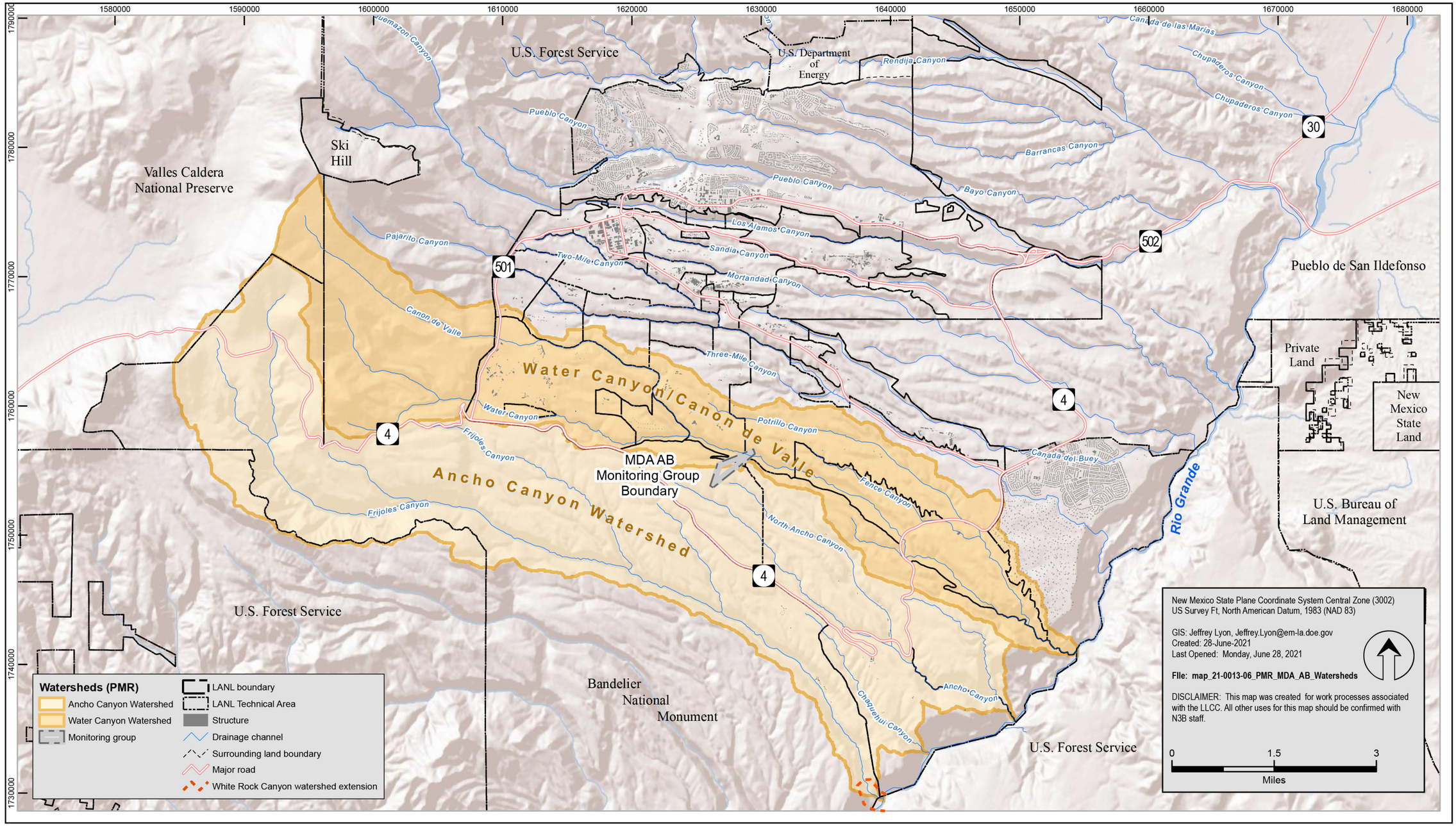


Figure 1.1-1 MDA AB monitoring group vicinity map

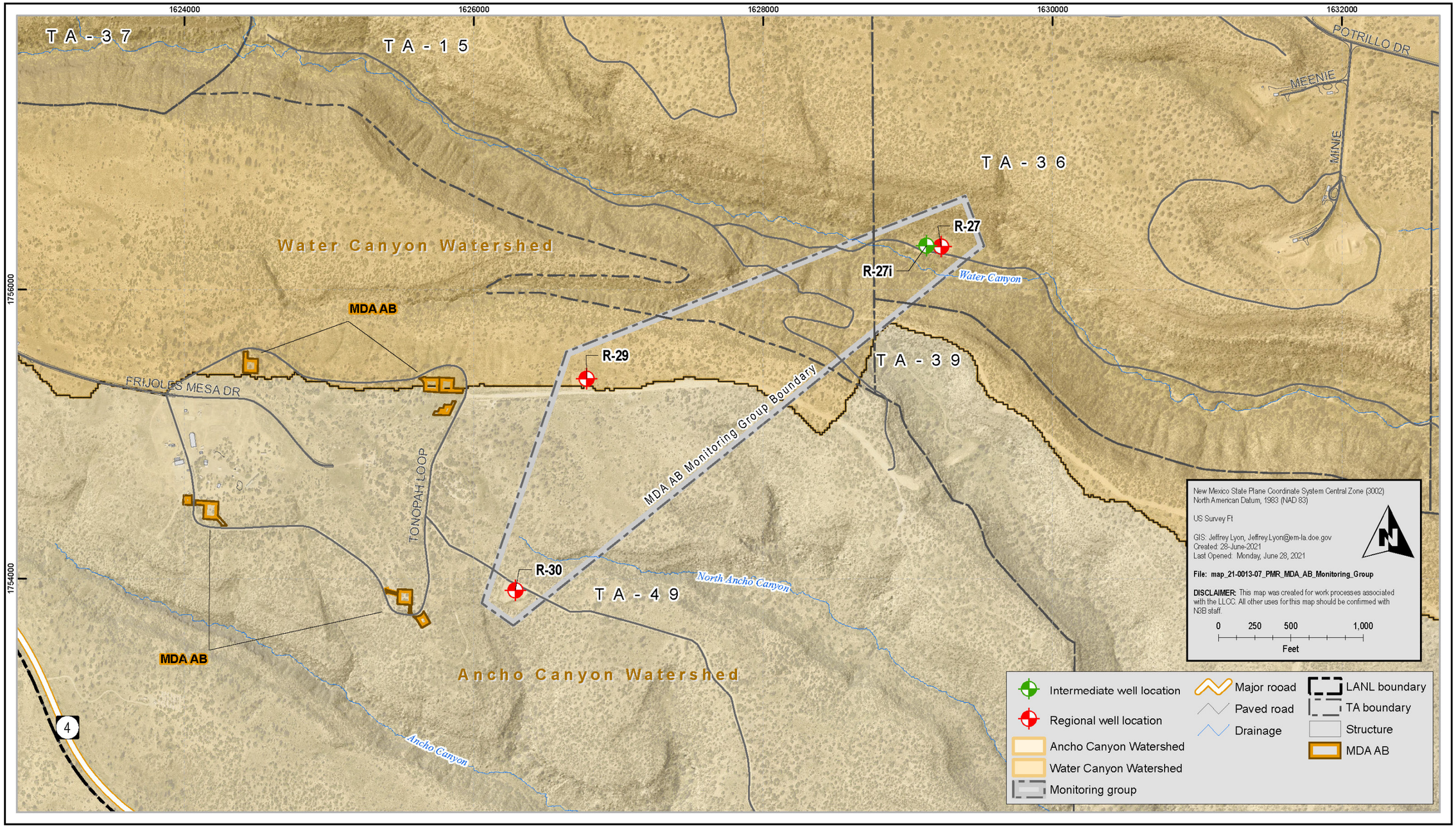


Figure 2.0-1 MDA AB monitoring group well locations

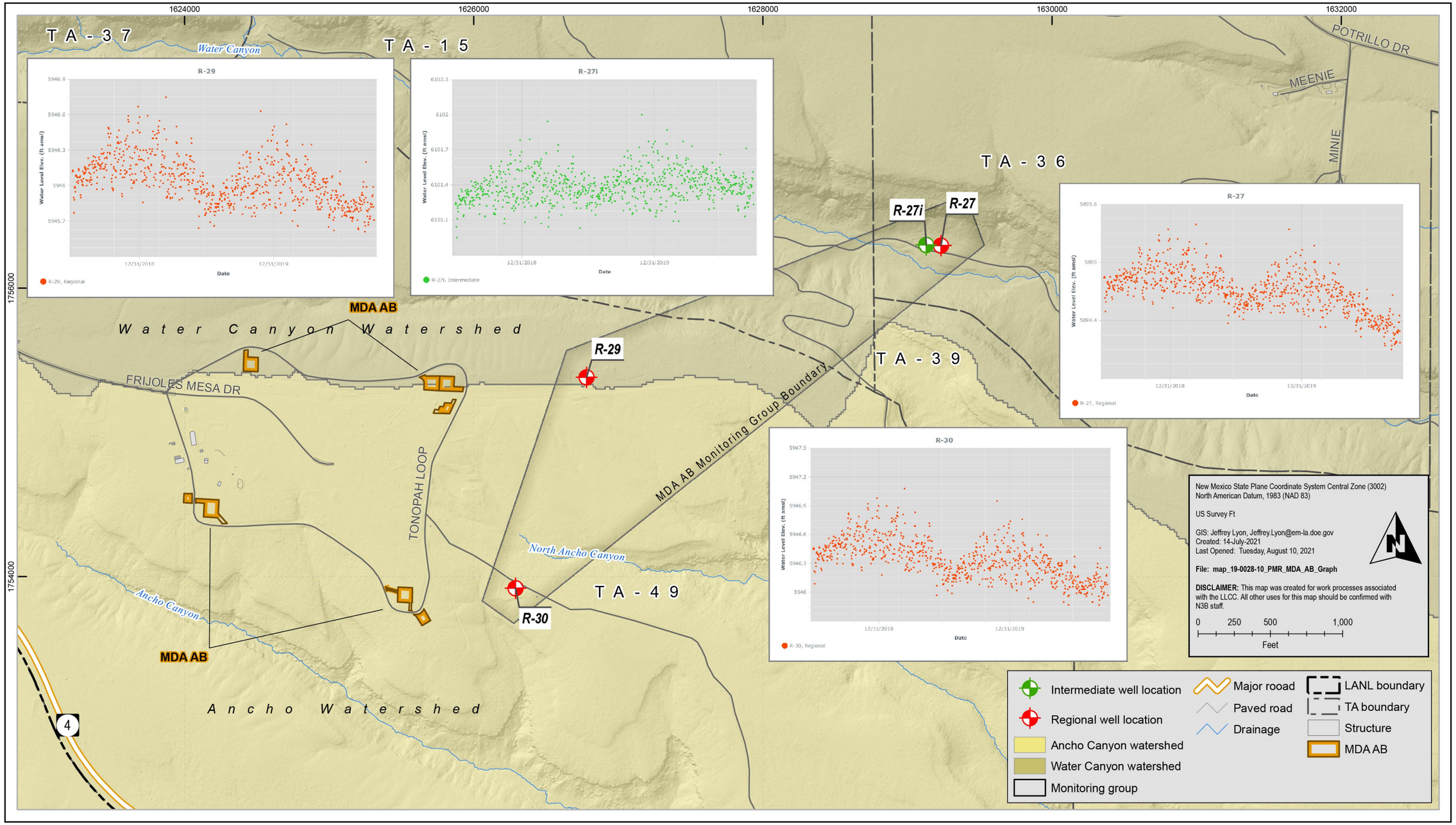


Figure 4.4-1 Groundwater elevations

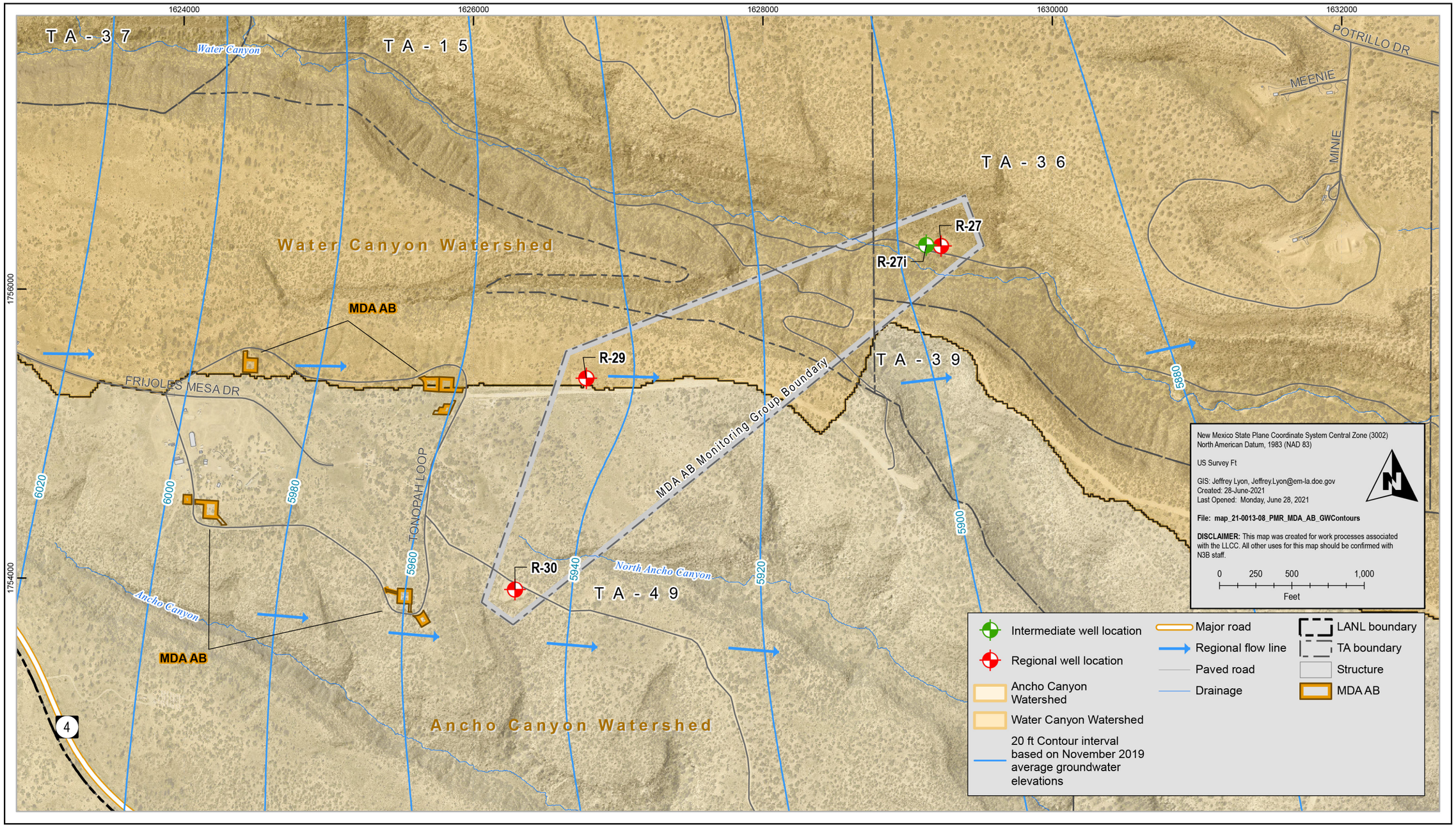


Figure 4.4-2 Regional aquifer water table map with flow direction

Table 2.0-1
MDA AB Monitoring Group PME 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										
R-27i	Water	2020	4	07/29/2020	10	619	629	13.90	43.35	0.51
Regional										
R-27	Water	2020	4	07/29/2020	23	852	875	49.01	154	3.85
R-29	Ancho			08/01/2020	10	1170	1180	37.46	197.64	7.32
R-30	Ancho			08/01/2020	20.9	1140	1160.9	44.77	142.02	5.26

[a] bgs = Below ground surface.

[b] gpm = Gallons per minute.

Table 2.1-1
MDA AB Monitoring Group PME Observations and Deviations

Sampling Event		Watershed	Monitoring Location	Observation/Deviation	Cause	Comments
Monitoring Year	Quarter					
2020	4	Water Canyon	R-27i	3.12	None	None
2020	4	Water Canyon	R-27	3.14	None	None
2020	4	Ancho Canyon	R-29	5.28	Extra purging conducted to achieve stabilization in dissolved oxygen readings	Purged an extra 2.28 casing volumes
2020	4	Ancho Canyon	R-30	3.05	None	None

Table 2.1-1 (continued)

Sampling Event						
Monitoring Year	Quarter	Watershed	Monitoring Location	Observation/Deviation	Cause	Comments
All 2020 PMEs in this PMR		Ancho Canyon and Water Canyon	All sites where SVOCs are analyzed	The 2020 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze methylphenol[4-], CAS[a] 106-44-5 as part of the SVOC analytical suite by the analytical method SW-846:8270D. Instead, methylphenol[3-,4-] CAS 65794-96-9 is analyzed as part of the SVOC analytical suite by the analytical method SW-846:8270D.	Methylphenol[3-], m-cresol, CAS 108-39-4, and methylphenol[4-], p-cresol, CAS 106-44-5, are not independently quantified by SW-846:8270D. The two compounds coelute and methylphenol[3-,4-], m,p-cresols CAS 65794-96-9 are analyzed by SW-846:8270D. The result for each analyte is a combined concentration. GELC's[b] catalog of services includes m,p-cresols and does not include m-cresol or p-cresol. GELC's certificate of analysis identifies m,p-cresols CAS 65794-96-9.	None
All 2020 PMEs in this PMR		Ancho Canyon and Water Canyon	All sites where SVOCs are analyzed	The 2020 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze azobenzene, CAS 103-33-3 as part of the SVOC analytical suite by the analytical method SW-846:8270D. Instead, diphenylhydrazine[1,2-], CAS 122-66-7 is reported as part of the SVOC analytical suite by the analytical method SW846:8270D.	Diphenylhydrazine[1,2-] CAS 122-66-7 decomposes and cannot be separated from azobenzene CAS 103-33-3 using the analytical method SW846:8270D. Because of poor compound separation, the results for either of these compounds are reported as a combined concentration.	None
All 2020 PMEs in this PMR		Ancho Canyon and Water Canyon	All sites where SVOCs are analyzed	The 2020 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze both nitrosodiphenylamine[N-] CAS 86-30-6 and diphenylamine CAS 122-39-4 as part of the SVOC analytical suite by the analytical method SW-846:8270. Instead, diphenylamine CAS 122-39-4 is analyzed as part of the SVOC analytical suite by the analytical method SW-846:8270.	Nitrosodiphenylamine[N-] CAS 86-30-6 decomposes and cannot be separated from diphenylamine CAS 122-39-4 using the analytical method 8270D.The result for each analyte is combined and reported as diphenylamine CAS 122-39-4.	None

[a] CAS = Chemical Abstracts Service.

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

Table 3.0-1
Sources for Standards and Screening Levels for Groundwater

Standard Type	Standard Source	Description	Groundwater
New Mexico			
Standard	20.6.2.3103 New Mexico Administrative Code	Groundwater Human Health Standards, other standards for domestic water supply and standards for irrigation use (NMWQCC)	X[a]
Screening Level	NMED	Tap water screening levels[b]	X
EPA			
Standard	40 Code of Federal Regulations 141	EPA maximum contaminant levels (MCL)	X
Risk-Human	EPA Generic Screening Levels	EPA generic screening levels for tap water[c]	X
DOE			
Standard	DOE Order 458.1	DOE 100-mrem public dose derived concentration technical standards	X
Standard	DOE Order 458.1	DOE 4-mrem drinking water derived concentration technical standards	X

[a] X = Applied to data screen for this report.
[b] Screening levels derived from NMED guidance (NMED 2017, 602274; NMED 2019, 700550).
[c] EPA generic screening levels (http://www.epa.gov/risk/risk-based-screening-table-generic-tables).

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

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
SVOCs						
Benzidine	3.77–4.07	SW-846:8270D	0.00109	µg/L	NMED A1 TAP SCRN LVL[a]	GELC[b]
Benzo(a)anthracene	0.29–0.313	SW-846:8270D	0.12	µg/L	NMED A1 TAP SCRN LVL	GELC
Benzo(a)pyrene	0.29–0.313	SW-846:8270D	0.2	µg/L	NM GW STD[c]	GELC
Bis(2-chloroethyl)ether	2.9–3.13	SW-846:8270D	0.137	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.29–0.313	SW-846:8270D	0.0343	µg/L	NMED A1 TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	2.9–3.13	SW-846:8270D	1.25	µg/L	NMED A1 TAP SCRN LVL	GELC

Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
SVOCs						
Dinitro-2-methylphenol[4,6-]	2.9–3.13	SW-846:8270D	1.52	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,4-]	2.9–3.13	SW-846:8270D	2.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,6-]	2.9–3.13	SW-846:8270D	0.485	µg/L	NMED A1 TAP SCRN LVL	GELC
Diphenylhydrazine[1,2-]	2.9–3.13	SW-846:8270D	0.78	µg/L	NMED A1 TAP SCRN LVL	GELC
Hexachlorobenzene	2.9–3.13	SW-846:8270D	1	µg/L	EPA MCL[d]	GELC
Hexachlorobutadiene	2.9–3.13	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrobenzene	2.9–3.13	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	2.9–3.13	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	2.9–3.13	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL[e]	GELC
Nitrosodiethylamine[N-]	2.9–3.13	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	1.55–3.13	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	0.0714–0.0722	SW-846:8270DGCMS_SIM	0.00491	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	2.9–3.13	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Pentachlorophenol	2.9–3.13	SW-846:8270D	1	µg/L	NM GW STD	GELC
Tetrachlorobenzene[1,2,4,5]	2.9–3.13	SW-846:8270D	1.66	µg/L	NMED A1 TAP SCRN LVL	GELC
VOCs						
Acrolein	1.5	SW-846:8260B	0.0415	µg/L	NMED A1 TAP SCRN LVL	GELC
Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA MCL	GELC

Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	NM GW STD	GELC
Dibromomethane	0.3	SW-846:8260B	0.0747	µg/L	NMED A1 TAP SCRN LVL	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRN LVL	GELC

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

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

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

[c] NM GW STD = NMWQCC groundwater standard.

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

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

Table 4.2-2
Target Analytes with MDL Values that Range Above and Below Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
SVOCs						
Atrazine	2.9-3.13	SW-846:8270D	3.0	µg/L	NM GW STD[a]	GELC[b]
Pentachlorobenzene	2.9-3.13	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRN LVL[c]	GELC

[a] NM GW STD = NMWQCC groundwater standard.

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

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

Table 5.2-1
MDA AB Monitoring Group Groundwater Results Above Screening Values

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening-Value Type
R-29[a]	08/01/2020	RDX	UF	14.9	µg/L	9.66	NMED A1 TAP SCRN LVL[b]

[a] This result was from a FD sample. As described in section 6.2.1, this detection was inconsistent with the nondetection results from the concurrent regular sample, the historical record of nondetection results, and a subsequent resampling nondetection result.

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

Appendix A

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

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-27i	619.0	03/18/2016	WG[a]	Dissolved Oxygen	8.16	mg/L	CAWA-16-110753
R-27i	619.0	03/24/2017	WG	Dissolved Oxygen	8.12	mg/L	CAWA-17-130486
R-27i	619.0	03/09/2018	WG	Dissolved Oxygen	8.10	mg/L	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	Dissolved Oxygen	8.09	mg/L	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	Dissolved Oxygen	8.13	mg/L	CAWA-20-199139
R-27i	619.0	03/24/2017	WG	Flow (in gpm[b])	0.52	gpm	CAWA-17-130486
R-27i	619.0	03/09/2018	WG	Flow (in gpm)	0.57	gpm	CAWA-16-110753
R-27i	619.0	03/09/2018	WG	Flow (in gpm)	0.57	gpm	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	Flow (in gpm)	0.57	gpm	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	Flow (in gpm)	0.51	gpm	CAWA-20-199139
R-27i	619.0	03/18/2016	WG	Oxidation-Reduction Potential	293.90	mV[c]	CAWA-16-110753
R-27i	619.0	03/24/2017	WG	Oxidation-Reduction Potential	253.80	mV	CAWA-17-130486
R-27i	619.0	03/09/2018	WG	Oxidation-Reduction Potential	166.90	mV	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	Oxidation-Reduction Potential	222.00	mV	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	Oxidation-Reduction Potential	201.80	mV	CAWA-20-199139
R-27i	619.0	03/18/2016	WG	pH	6.68	SU[d]	CAWA-16-110753
R-27i	619.0	03/24/2017	WG	pH	6.96	SU	CAWA-17-130486
R-27i	619.0	03/09/2018	WG	pH	7.01	SU	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	pH	7.11	SU	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	pH	6.84	SU	CAWA-20-199139
R-27i	619.0	03/18/2016	WG	Specific Conductance	107.00	µS/cm	CAWA-16-110753
R-27i	619.0	03/24/2017	WG	Specific Conductance	102.40	µS/cm	CAWA-17-130486
R-27i	619.0	03/09/2018	WG	Specific Conductance	102.00	µS/cm	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	Specific Conductance	101.40	µS/cm	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	Specific Conductance	101.40	uS/cm	CAWA-20-199139
R-27i	619.0	03/18/2016	WG	Temperature	13.97	deg C	CAWA-16-110753
R-27i	619.0	03/24/2017	WG	Temperature	13.40	deg C	CAWA-17-130486

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-27i	619.0	03/09/2018	WG	Temperature	13.80	deg C	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	Temperature	12.70	deg C	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	Temperature	14.10	deg C	CAWA-20-199139
R-27i	619.0	03/18/2016	WG	Turbidity	0.56	NTU[e]	CAWA-16-110753
R-27i	619.0	03/24/2017	WG	Turbidity	0.60	NTU	CAWA-17-130486
R-27i	619.0	03/09/2018	WG	Turbidity	0.29	NTU	CAWA-18-151438
R-27i	619.0	02/08/2019	WG	Turbidity	0.87	NTU	CAWA-19-166404
R-27i	619.0	07/29/2020	WG	Turbidity	0.45	NTU	CAWA-20-199139
R-27	852.0	03/18/2016	WG	Dissolved Oxygen	7.19	mg/L	CAWA-16-110752
R-27	852.0	03/24/2017	WG	Dissolved Oxygen	7.04	mg/L	CAWA-17-130485
R-27	852.0	03/09/2018	WG	Dissolved Oxygen	6.93	mg/L	CAWA-18-151436
R-27	852.0	02/08/2019	WG	Dissolved Oxygen	7.08	mg/L	CAWA-19-166399
R-27	852.0	07/29/2020	WG	Dissolved Oxygen	7.13	mg/L	CAWA-20-199141
R-27	852.0	03/18/2016	WG	Flow (in gpm)	3.41	gpm	CAWA-16-110752
R-27	852.0	03/24/2017	WG	Flow (in gpm)	3.84	gpm	CAWA-17-130485
R-27	852.0	03/09/2018	WG	Flow (in gpm)	4.05	gpm	CAWA-18-151436
R-27	852.0	02/08/2019	WG	Flow (in gpm)	3.90	gpm	CAWA-19-166399
R-27	852.0	07/29/2020	WG	Flow (in gpm)	3.85	gpm	CAWA-20-199141
R-27	852.0	03/18/2016	WG	Oxidation-Reduction Potential	186.30	mV	CAWA-16-110752
R-27	852.0	03/24/2017	WG	Oxidation-Reduction Potential	58.20	mV	CAWA-17-130485
R-27	852.0	03/09/2018	WG	Oxidation-Reduction Potential	85.20	mV	CAWA-18-151436
R-27	852.0	02/08/2019	WG	Oxidation-Reduction Potential	87.80	mV	CAWA-19-166399
R-27	852.0	07/29/2020	WG	Oxidation-Reduction Potential	115.80	mV	CAWA-20-199141
R-27	852.0	03/18/2016	WG	pH	7.77	SU	CAWA-16-110752
R-27	852.0	03/24/2017	WG	pH	7.94	SU	CAWA-17-130485
R-27	852.0	03/09/2018	WG	pH	7.89	SU	CAWA-18-151436
R-27	852.0	02/08/2019	WG	pH	7.95	SU	CAWA-19-166399

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-27	852.0	07/29/2020	WG	pH	7.84	SU	CAWA-20-199141
R-27	852.0	03/18/2016	WG	Specific Conductance	124.00	µS/cm	CAWA-16-110752
R-27	852.0	03/24/2017	WG	Specific Conductance	119.20	µS/cm	CAWA-17-130485
R-27	852.0	03/09/2018	WG	Specific Conductance	118.70	µS/cm	CAWA-18-151436
R-27	852.0	02/08/2019	WG	Specific Conductance	118.90	µS/cm	CAWA-19-166399
R-27	852.0	07/29/2020	WG	Specific Conductance	119.00	µS/cm	CAWA-20-199141
R-27	852.0	03/18/2016	WG	Temperature	17.69	deg C	CAWA-16-110752
R-27	852.0	03/24/2017	WG	Temperature	18.30	deg C	CAWA-17-130485
R-27	852.0	03/09/2018	WG	Temperature	18.40	deg C	CAWA-18-151436
R-27	852.0	02/08/2019	WG	Temperature	16.60	deg C	CAWA-19-166399
R-27	852.0	07/29/2020	WG	Temperature	18.80	deg C	CAWA-20-199141
R-27	852.0	03/18/2016	WG	Turbidity	0.39	NTU	CAWA-16-110752
R-27	852.0	03/24/2017	WG	Turbidity	0.34	NTU	CAWA-17-130485
R-27	852.0	03/09/2018	WG	Turbidity	0.21	NTU	CAWA-18-151436
R-27	852.0	02/08/2019	WG	Turbidity	0.39	NTU	CAWA-19-166399
R-27	852.0	07/29/2020	WG	Turbidity	0.11	NTU	CAWA-20-199141
R-29	1170.0	08/26/2016	WG	Dissolved Oxygen	6.07	mg/L	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	Dissolved Oxygen	6.31	mg/L	CAAN-17-130479
R-29	1170.0	09/22/2017	WG	Dissolved Oxygen	5.30	mg/L	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	Dissolved Oxygen	5.53	mg/L	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	Dissolved Oxygen	6.14	mg/L	CAAN-19-166406
R-29	1170.0	08/01/2020	WG	Dissolved Oxygen	5.88	mg/L	CAAN-20-199143
R-29	1170.0	08/26/2016	WG	Flow (in gpm)	6.81	gpm	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	Flow (in gpm)	7.32	gpm	CAAN-17-130479
R-29	1170.0	09/22/2017	WG	Flow (in gpm)	7.69	gpm	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	Flow (in gpm)	7.50	gpm	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	Flow (in gpm)	7.69	gpm	CAAN-19-166406

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-29	1170.0	08/01/2020	WG	Flow (in gpm)	7.32	gpm	CAAN-20-199143
R-29	1170.0	08/26/2016	WG	Oxidation-Reduction Potential	78.30	mV	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	Oxidation-Reduction Potential	67.10	mV	CAAN-17-130479
R-29	1170.0	09/22/2017	WG	Oxidation-Reduction Potential	241.40	mV	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	Oxidation-Reduction Potential	160.80	mV	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	Oxidation-Reduction Potential	166.10	mV	CAAN-19-166406
R-29	1170.0	08/01/2020	WG	Oxidation-Reduction Potential	103.60	mV	CAAN-20-199143
R-29	1170.0	08/26/2016	WG	pH	8.12	SU	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	pH	7.86	SU	CAAN-17-130479
R-29	1170.0	09/22/2017	WG	pH	8.14	SU	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	pH	8.00	SU	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	pH	8.05	SU	CAAN-19-166406
R-29	1170.0	08/01/2020	WG	pH	7.73	SU	CAAN-20-199143
R-29	1170.0	08/26/2016	WG	Specific Conductance	122.70	µS/cm	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	Specific Conductance	121.40	µS/cm	CAAN-17-130479
R-29	1170.0	09/22/2017	WG	Specific Conductance	120.40	µS/cm	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	Specific Conductance	120.50	µS/cm	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	Specific Conductance	116.90	µS/cm	CAAN-19-166406
R-29	1170.0	08/01/2020	WG	Specific Conductance	117.80	µS/cm	CAAN-20-199143
R-29	1170.0	08/26/2016	WG	Temperature	19.40	deg C	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	Temperature	18.80	deg C	CAAN-17-130479
R-29	1170.0	09/22/2017	WG	Temperature	19.50	deg C	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	Temperature	18.20	deg C	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	Temperature	18.10	deg C	CAAN-19-166406
R-29	1170.0	08/01/2020	WG	Temperature	19.20	deg C	CAAN-20-199143
R-29	1170.0	08/26/2016	WG	Turbidity	7.74	NTU	CAAN-16-124887
R-29	1170.0	03/27/2017	WG	Turbidity	7.74	NTU	CAAN-17-130479

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-29	1170.0	09/22/2017	WG	Turbidity	6.31	NTU	CAAN-17-144828
R-29	1170.0	03/06/2018	WG	Turbidity	8.71	NTU	CAAN-18-151443
R-29	1170.0	02/05/2019	WG	Turbidity	4.44	NTU	CAAN-19-166406
R-29	1170.0	08/01/2020	WG	Turbidity	4.80	NTU	CAAN-20-199143
R-30	1140.0	08/26/2016	WG	Dissolved Oxygen	6.82	mg/L	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	Dissolved Oxygen	6.92	mg/L	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	Dissolved Oxygen	7.00	mg/L	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	Dissolved Oxygen	6.97	mg/L	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	Dissolved Oxygen	6.92	mg/L	CAAN-19-166487
R-30	1140.0	08/01/2020	WG	Dissolved Oxygen	7.01	mg/L	CAAN-20-199145
R-30	1140.0	08/26/2016	WG	Flow (in gpm)	5.45	gpm	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	Flow (in gpm)	5.38	gpm	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	Flow (in gpm)	5.70	gpm	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	Flow (in gpm)	5.45	gpm	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	Flow (in gpm)	5.00	gpm	CAAN-19-166487
R-30	1140.0	08/01/2020	WG	Flow (in gpm)	5.26	gpm	CAAN-20-199145
R-30	1140.0	08/26/2016	WG	Oxidation-Reduction Potential	168.37	mV	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	Oxidation-Reduction Potential	205.30	mV	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	Oxidation-Reduction Potential	292.20	mV	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	Oxidation-Reduction Potential	171.30	mV	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	Oxidation-Reduction Potential	180.10	mV	CAAN-19-166487
R-30	1140.0	08/01/2020	WG	Oxidation-Reduction Potential	186.30	mV	CAAN-20-199145
R-30	1140.0	08/26/2016	WG	pH	8.18	SU	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	pH	7.89	SU	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	pH	8.10	SU	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	pH	8.08	SU	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	pH	8.16	SU	CAAN-19-166487

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-30	1140.0	08/01/2020	WG	pH	7.84	SU	CAAN-20-199145
R-30	1140.0	08/26/2016	WG	Specific Conductance	119.80	µS/cm	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	Specific Conductance	119.10	µS/cm	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	Specific Conductance	118.80	µS/cm	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	Specific Conductance	118.00	µS/cm	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	Specific Conductance	116.70	µS/cm	CAAN-19-166487
R-30	1140.0	08/01/2020	WG	Specific Conductance	118.30	µS/cm	CAAN-20-199145
R-30	1140.0	08/26/2016	WG	Temperature	20.00	deg C	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	Temperature	19.70	deg C	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	Temperature	20.20	deg C	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	Temperature	19.60	deg C	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	Temperature	16.00	deg C	CAAN-19-166487
R-30	1140.0	08/01/2020	WG	Temperature	20.30	deg C	CAAN-20-199145
R-30	1140.0	08/26/2016	WG	Turbidity	0.50	NTU	CAAN-16-124883
R-30	1140.0	03/27/2017	WG	Turbidity	0.65	NTU	CAAN-17-130480
R-30	1140.0	09/22/2017	WG	Turbidity	0.28	NTU	CAAN-17-144829
R-30	1140.0	03/07/2018	WG	Turbidity	0.32	NTU	CAAN-18-151446
R-30	1140.0	02/06/2019	WG	Turbidity	3.53	NTU	CAAN-19-166487
R-30	1140.0	08/01/2020	WG	Turbidity	0.59	NTU	CAAN-20-199145

[a] WG = Groundwater.

[b] gpm = Gallons per minute.

[c] mV = Millivolts.

[d] SU = Standard unit.

[e] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifiers

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

Analytical Laboratory Qualifiers (continued)

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

Analytical Laboratory Qualifiers (continued)

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

Validation Qualifier Descriptions

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

Background Values

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

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

REFERENCE

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

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

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

Location 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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Intermediate																								
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.297	535	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.297	—	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	6.2	14100	—	µg/L	—	—	1.5	Y	J	J	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	µg/L	—	—	8.0	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	SU	—	—	0.01	Y	H	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	mg/L	—	—	1.45	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.1	—	62	mg/L	—	—	1.45	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*i	µg/L	—	—	68.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00947	—	0.00829*i	pCi/L	0.00628	0.0335	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.033	—	0.0606*i	mg/L	—	—	0.017	Y	J	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.16	130	—	µg/L	—	—	4.16	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.297	1720	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*i	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2.0	10	2.82*i	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	2.97	3	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	9.74	2000	13.5	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.86	0.00109	—	µg/L	—	—	3.86	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.297	0.12	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.297	0.2	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.297	0.343	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.297	—	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.297	3.43	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	5.94	75000	—	µg/L	—	—	5.94	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	2.97	2000	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*i	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	2.97	59	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	2.97	0.137	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.297	6	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	16.2*i	µg/L	—	—	15.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.0716*i	mg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.297	160	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*i	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.2	—	10.7	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.761	—	2.96*i	pCi/L	1.44	4.87	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.39	250	3.11	mg/L	—	—	0.067	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	2.97	1400	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.27	3.7	—	µg/L	—	—	3.27	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.406	733	—	µg/L	—	—	0.406	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	2.97	91	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	50	2.72*i	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.297	34.3	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	50	1*i	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.08	—	2.68*i	pCi/L	1.2	5.12	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*i	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*i	mg/L	—	—	0.00167	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.297	0.0343	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	2.97	7.9	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	µg/L	—	—	0.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	2.97	600	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	2.97	75	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	2.97	1.25	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	2.97	45.3	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.297	14800	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.297	612	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	2.97	354	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.297	885	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	2.97	1.52	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	4.95	38.7	—	µg/L	—	—	4.95	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	2.97	2.37	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	2.97	0.485	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.297	200	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	2.97	7	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	2.97	4.59	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	4.59	—	µg/L	—	—	0.1	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	2.97	122	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylhydrazine[1,2-]	122-66-7	N	2.97	0.78	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.297	802	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.297	288	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.161	1.6	0.234	mg/L	—	—	0.033	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.21	15	3.85*i	pCi/L	0.826	2.78	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.4	—	9.18*i	pCi/L	0.793	2.59	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	31.2	—	37.8	mg/L	—	—	0.453	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	2.97	1	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	2.97	1.39	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	2.97	50	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	2.97	3.28	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.297	0.343	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	54.1*i	µg/L	—	—	30.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.47	781	—	µg/L	—	—	3.47	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*i	µg/L	—	—	0.5	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.62	—	3.14	mg/L	—	—	0.11	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	8.39*i	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*i	µg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*i	µg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.297	11.4	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.297	35.1	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	2.97	930	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.66	930	—	µg/L	—	—	3.66	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.63	1000	2.9	µg/L	—	—	0.2	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.297	1.65	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.19	—	5.84*i	pCi/L	2.61	9.36	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	200	3.65	µg/L	—	—	0.6	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0972	10	0.459	mg/L	—	—	0.017	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	2.97	190	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	2.97	38	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	2.97	1.4	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	2.97	0.00167	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	0.00167	—	µg/L	—	—	0.00018	Y	U	U	N3B-2020-1443	CAWA-20-199139	SwRI
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	2.97	0.00491	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	0.00491	—	µg/L	—	—	0.00036	Y	U	U	N3B-2020-1443	CAWA-20-199139	SwRI
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	2.97	0.0273	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	0.0273	—	µg/L	—	—	0.00047	Y	U	U	N3B-2020-1443	CAWA-20-199139	SwRI
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	2.97	0.11	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	0.11	—	µg/L	—	—	0.00018	Y	U	UJ	N3B-2020-1443	CAWA-20-199139	SwRI
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	2.97	0.37	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	0.37	—	µg/L	—	—	0.00033	Y	U	U	N3B-2020-1443	CAWA-20-199139	SwRI
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	2.97	9.81	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	2.97	3.07	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	2.97	1	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.116	13.8	0.27	µg/L	—	—	0.05	Y	J	J	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.585	70	—	ng/L	—	—	0.585	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.709	70	—	ng/L	—	—	0.709	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.709	70	—	ng/L	—	—	0.709	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.297	170	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	2.97	5	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0119	—	0.00732*i	pCi/L	0.0129	0.0441	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0167	—	0.0132*i	pCi/L	0.0119	0.0442	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	0.912	—	2.35	mg/L	—	—	0.05	Y	—	J+	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.7	—	38.6*i	pCi/L	15.3	57.8	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	2.97	250	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.297	117	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	2.97	20	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.483	5	—	pCi/L	0.161	0.432	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.654	—	—	pCi/L	0.248	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.171	5	—	pCi/L	0.189	0.657	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*i	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.0	—	75	mg/L	—	—	0.053	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*i	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.97	—	18.2	mg/L	—	—	0.1	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.243	—	2.02*i	pCi/L	1.57	5.97	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125.0	—	—	µS/cm	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	49.6	11800	59.6	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.046	8	0.282*i	pCi/L	0.138	0.482	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.32	600	7.1	mg/L	—	—	0.133	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	2.97	20	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	2.97	1.66	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	2.97	240	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*i	µg/L	—	—	0.6	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*i	µg/L	—	—	2.5	Y	U	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	117.0	1000	135*i	mg/L	—	—	3.4	Y	—	J	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0702	—	0.173*i	mg/L	—	—	0.033	Y	J	J	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.35	mg/L	—	—	0.33	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	70	—	ng/L	—	—	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0361	—	0.178*i	mg/L	—	—	0.02	Y	J	U	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	2.97	70	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	2.97	1170	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	2.97	11.9	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.132	20000	2.02*i	pCi/L	0.819	2.786	—	Y	U	U	N3B-2020-1444	CAWA-20-199139	ARSL
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.243	30	0.992	µg/L	—	—	0.067	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.158	27.2	0.477	pCi/L	0.0259	0.0554	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00512	28.8	0.0203*i	pCi/L	0.00803	0.043	—	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.085	30	0.201	pCi/L	0.0174	0.0504	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.46	63.1	9.29	µg/L	—	—	1.0	Y	J	J	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.68	10000	17.4*i	µg/L	—	—	3.3	Y	J	J	N3B-2020-1442	CAWA-20-199140	GELC
Regional																								
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	535	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.297	535	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.297	—	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	14100	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	14100	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	µg/L	—	—	8.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	µg/L	—	—	8.0	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	SU	—	—	0.01	Y	H	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	SU	—	—	0.01	Y	H	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	mg/L	—	—	1.45	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	mg/L	—	—	1.45	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.7	—	72.9	mg/L	—	—	1.45	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.1	—	72.9	mg/L	—	—	1.45	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	µg/L	—	—	68.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	µg/L	—	—	68.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.022	—	0.0167*r	pCi/L	0.0104	0.0325	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0166	—	0.0167*r	pCi/L	0.0088	0.0294	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0558	—	0.1*r	mg/L	—	—	0.017	Y	—	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0479	—	0.1*r	mg/L	—	—	0.017	Y	J	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	130	—	µg/L	—	—	4.2	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.16	130	—	µg/L	—	—	4.16	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	1720	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.297	1720	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2.0	10	2.7*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	N	2.0	10	2.7*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	3	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	2.97	3	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.2	2000	38.1	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	26.9	2000	38.1	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	0.00109	—	µg/L	—	—	3.9	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.86	0.00109	—	µg/L	—	—	3.86	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	0.12	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.297	0.12	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	0.2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.297	0.2	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	0.343	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.297	0.343	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.297	—	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	3.43	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.297	3.43	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	75000	—	µg/L	—	—	6.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	5.94	75000	—	µg/L	—	—	5.94	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	2000	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	2.97	2000	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	59	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	2.97	59	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	0.137	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	2.97	0.137	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	6	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.297	6	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	µg/L	—	—	15.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	µg/L	—	—	15.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	mg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	mg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	160	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.297	160	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	17.03	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	17.03	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.33	—	2.93*r	pCi/L	1.57	5.31	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.103	—	2.93*r	pCi/L	1.13	4.29	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.64	250	2.7	mg/L	—	—	0.067	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.67	250	2.7	mg/L	—	—	0.067	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	1400	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	2.97	1400	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	3.7	—	µg/L	—	—	3.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.27	3.7	—	µg/L	—	—	3.27	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	733	—	µg/L	—	—	0.41	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.406	733	—	µg/L	—	—	0.406	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	91	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	2.97	91	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	50	7.48	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	50	7.48	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	34.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.297	34.3	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	Y	1.01	50	1*r	µg/L	—	—	1.0	Y	J	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	50	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.667	—	2.65*r	pCi/L	1.63	6.19	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.133	—	2.65*r	pCi/L	0.846	3.33	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	mg/L	—	—	0.00167	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	mg/L	—	—	0.00167	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	0.0343	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.297	0.0343	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	7.9	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	2.97	7.9	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	µg/L	—	—	0.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	µg/L	—	—	0.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	600	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	2.97	600	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	75	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	2.97	75	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	1.25	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	2.97	1.25	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	45.3	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	2.97	45.3	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	14800	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.297	14800	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	612	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.297	612	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	354	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	2.97	354	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	885	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.297	885	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	1.52	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	2.97	1.52	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	38.7	—	µg/L	—	—	5.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	4.95	38.7	—	µg/L	—	—	4.95	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	2.37	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	2.97	2.37	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	0.485	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	2.97	0.485	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.297	200	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	7	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	2.97	7	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	4.59	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	4.59	—	µg/L	—	—	0.1	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	2.97	4.59	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	4.59	—	µg/L	—	—	0.1	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	122	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	2.97	122	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylhydrazine[1,2-]	122-66-7	N	3.0	0.78	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylhydrazine[1,2-]	122-66-7	N	2.97	0.78	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	802	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.297	802	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	288	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.297	288	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.19	1.6	0.377	mg/L	—	—	0.033	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.186	1.6	0.377	mg/L	—	—	0.033	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.763	15	2.012*r	pCi/L	0.807	2.98	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	15	2.012*r	pCi/L	0.863	2.99	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.35	—	3.81*r	pCi/L	0.806	2.65	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.942	—	3.81*r	pCi/L	0.608	2.02	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	67.1	mg/L	—	—	0.453	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	67.1	mg/L	—	—	0.453	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	1	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	2.97	1	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	1.39	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	2.97	1.39	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	50	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	2.97	50	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	3.28	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	2.97	3.28	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	0.343	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.297	0.343	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	µg/L	—	—	30.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	µg/L	—	—	30.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	781	—	µg/L	—	—	3.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.47	781	—	µg/L	—	—	3.47	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	UJ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	µg/L	—	—	0.5	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	µg/L	—	—	0.5	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.34	—	4.18	mg/L	—	—	0.11	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.33	—	4.18	mg/L	—	—	0.11	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	µg/L	—	—	1.0	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	11.4	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.297	11.4	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	35.1	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.297	35.1	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	930	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	2.97	930	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	930	—	µg/L	—	—	3.7	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.66	930	—	µg/L	—	—	3.66	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.967	1000	2.5	µg/L	—	—	0.2	Y	J	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.987	1000	2.5	µg/L	—	—	0.2	Y	J	J	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.297	1.65	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.54	—	4.72*r	pCi/L	2.6	8.82	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.44	—	4.72*r	pCi/L	2.35	8.7	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	µg/L	—	—	0.6	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	µg/L	—	—	0.6	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.277	10	0.769	mg/L	—	—	0.017	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.277	10	0.769	mg/L	—	—	0.017	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	190	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	2.97	190	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	38	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	2.97	38	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	1.4	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	2.97	1.4	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	2.97	—	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	0.00167	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	0.00167	—	µg/L	—	—	0.00018	Y	U	U	N3B-2020-1443	CAWA-20-199141	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	2.97	0.00167	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	0.00167	—	µg/L	—	—	0.00018	Y	U	U	N3B-2020-1443	CAWA-20-205980	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	0.00491	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000372	0.00491	—	µg/L	—	—	0.00036	Y	J	J	N3B-2020-1443	CAWA-20-199141	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	2.97	0.00491	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000671	0.00491	—	µg/L	—	—	0.00036	Y	—	NQ	N3B-2020-1443	CAWA-20-205980	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	0.0273	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	0.0273	—	µg/L	—	—	0.00047	Y	U	U	N3B-2020-1443	CAWA-20-199141	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	2.97	0.0273	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	0.0273	—	µg/L	—	—	0.00047	Y	U	U	N3B-2020-1443	CAWA-20-205980	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	0.11	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	0.11	—	µg/L	—	—	0.00018	Y	U	UJ	N3B-2020-1443	CAWA-20-199141	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	2.97	0.11	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	0.11	—	µg/L	—	—	0.00018	Y	U	UJ	N3B-2020-1443	CAWA-20-205980	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	0.37	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	0.37	—	µg/L	—	—	0.00033	Y	U	U	N3B-2020-1443	CAWA-20-199141	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	2.97	0.37	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	0.37	—	µg/L	—	—	0.00033	Y	U	U	N3B-2020-1443	CAWA-20-205980	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	9.81	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	2.97	9.81	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	3.07	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	2.97	3.07	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	1	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	2.97	1	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.207	13.8	0.414	µg/L	—	—	0.05	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.249	13.8	0.414	µg/L	—	—	0.05	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.573	70	—	ng/L	—	—	0.573	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.568	70	—	ng/L	—	—	0.568	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.695	70	—	ng/L	—	—	0.695	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.688	70	—	ng/L	—	—	0.688	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.695	70	—	ng/L	—	—	0.695	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.688	70	—	ng/L	—	—	0.688	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	170	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.297	170	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	5	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenol	108-95-2	N	2.97	5	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00549	—	0.00994*r	pCi/L	0.00951	0.0507	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	—	0.00994*r	pCi/L	0.00856	0.0408	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00549	—	0.0171*r	pCi/L	0.014	0.0508	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00221	—	0.0171*r	pCi/L	0.0115	0.0409	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.42	—	2.39	mg/L	—	—	0.05	Y	—	J+	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.45	—	2.39	mg/L	—	—	0.05	Y	—	J+	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.1	—	35.6*r	pCi/L	24.7	92.0	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	5.54	—	35.6*r	pCi/L	16.3	59.8	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.0	250	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Prometon	1610-18-0	N	2.97	250	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	117	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.297	117	—	µg/L	—	—	0.297	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	20	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyridine	110-86-1	N	2.97	20	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.44	5	—	pCi/L	0.131	0.259	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.168	5	—	pCi/L	0.119	0.403	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.783	—	—	pCi/L	0.211	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.795	—	—	pCi/L	0.266	—	—	Y	—	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.343	5	—	pCi/L	0.165	0.525	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.626	5	—	pCi/L	0.238	0.742	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.5	—	81.9	mg/L	—	—	0.053	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.1	—	81.9	mg/L	—	—	0.053	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.3	—	16	mg/L	—	—	0.1	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.3	—	16	mg/L	—	—	0.1	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.36	—	1.93*r	pCi/L	2.15	6.09	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.905	—	1.93*r	pCi/L	1.27	5.04	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144.0	—	—	µS/cm	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143.0	—	—	µS/cm	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.5	11800	157	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.1	11800	157	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.134	8	0.355*r	pCi/L	0.0678	0.243	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.117	8	0.355*r	pCi/L	0.14	0.473	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.4	600	4.59	mg/L	—	—	0.133	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.38	600	4.59	mg/L	—	—	0.133	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.0	20	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	2.97	20	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	1.66	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	2.97	1.66	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	240	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	2.97	240	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	µg/L	—	—	0.6	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	µg/L	—	—	0.6	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*r	µg/L	—	—	2.5	Y	U	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	3.52	12000	13*r	µg/L	—	—	2.5	Y	J	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	107.0	1000	161	mg/L	—	—	3.4	Y	—	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	94.3	1000	161	mg/L	—	—	3.4	Y	—	J	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0688	—	0.165*r	mg/L	—	—	0.033	Y	J	J	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0387	—	0.165*r	mg/L	—	—	0.033	Y	J	J	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.08	mg/L	—	—	0.33	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.08	mg/L	—	—	0.33	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	70	—	ng/L	—	—	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	70	—	ng/L	—	—	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0481	—	0.0822*r	mg/L	—	—	0.02	Y	J	U	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0509	—	0.0822*r	mg/L	—	—	0.02	Y	—	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	µg/L	—	—	2.0	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	70	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	2.97	70	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	1170	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	2.97	1170	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	11.9	—	µg/L	—	—	3.0	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	2.97	11.9	—	µg/L	—	—	2.97	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.801	20000	2.06*r	pCi/L	0.996	2.891	—	Y	U	U	N3B-2020-1444	CAWA-20-199141	ARSL
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.258	20000	2.06*r	pCi/L	0.881	2.969	—	Y	U	U	N3B-2020-1444	CAWA-20-205980	ARSL
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.498	30	1.19	µg/L	—	—	0.067	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.503	30	1.19	µg/L	—	—	0.067	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.314	27.2	0.715	pCi/L	0.0315	0.0466	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.26	27.2	0.715	pCi/L	0.0317	0.0533	—	Y	—	NQ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0086	28.8	0.0423*r	pCi/L	0.0086	0.0362	—	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0214	28.8	0.0423*r	pCi/L	0.0119	0.0414	—	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.177	30	0.336	pCi/L	0.0238	0.0424	—	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.145	30	0.336	pCi/L	0.0239	0.0484	—	Y	—	NQ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.29	63.1	11.4	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	5.47	63.1	11.4	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	4.3	10000	14.4*r	µg/L	—	—	3.3	Y	J	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	5.83	10000	14.4*r	µg/L	—	—	3.3	Y	J	J	N3B-2020-1442	CAWA-20-205979	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.526	—	—	µg/L	—	—	0.526	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.588	—	—	µg/L	—	—	0.588	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.526	—	—	µg/L	—	—	0.526	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.588	—	—	µg/L	—	—	0.588	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.316	—	—	µg/L	—	—	0.316	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.353	—	—	µg/L	—	—	0.353	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.295	535	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.29	535	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.295	—	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.29	—	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	14100	—	µg/L	—	—	1.5	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	4.81	14100	—	µg/L	—	—	1.5	Y	J	J	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	µg/L	—	—	8.0	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	µg/L	—	—	8.0	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	SU	—	—	0.01	Y	H	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.0	—	—	SU	—	—	0.01	Y	H	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	mg/L	—	—	1.45	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	mg/L	—	—	1.45	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.7	—	72.9	mg/L	—	—	1.45	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.6	—	72.9	mg/L	—	—	1.45	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	µg/L	—	—	68.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	µg/L	—	—	68.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0105	—	0.0167*r	pCi/L	0.00812	0.0371	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00607	—	0.0167*r	pCi/L	0.00834	0.0358	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0842	1.9	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0941	1.9	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0842	1.9	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0941	1.9	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0527	—	0.1*r	mg/L	—	—	0.017	Y	—	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0266	—	0.1*r	mg/L	—	—	0.017	Y	J	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.13	130	—	µg/L	—	—	4.13	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.06	130	—	µg/L	—	—	4.06	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.295	1720	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.29	1720	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.12	10	2.7*r	µg/L	—	—	2.0	Y	J	J	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.2	10	2.7*r	µg/L	—	—	2.0	Y	J	J	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	2.95	3	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	2.9	3	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14.9	2000	38.1	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	15.2	2000	38.1	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.84	0.00109	—	µg/L	—	—	3.84	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.77	0.00109	—	µg/L	—	—	3.77	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.295	0.12	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.29	0.12	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.295	0.2	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.29	0.2	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.295	0.343	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.29	0.343	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.295	—	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.29	—	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.295	3.43	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.29	3.43	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	5.9	75000	—	µg/L	—	—	5.9	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	5.81	75000	—	µg/L	—	—	5.81	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	2.95	2000	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	2.9	2000	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	2.95	59	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	2.9	59	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	2.95	0.137	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	2.9	0.137	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.295	6	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.29	6	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	µg/L	—	—	15.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	µg/L	—	—	15.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	mg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	mg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	2.95	—	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	2.9	—	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.295	160	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.29	160	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.64	—	17.03	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.52	—	17.03	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.29	—	2.93*r	pCi/L	1.33	4.41	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.611	—	2.93*r	pCi/L	1.28	4.57	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.85	250	2.7	mg/L	—	—	0.067	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.79	250	2.7	mg/L	—	—	0.067	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	2.95	1400	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	2.9	1400	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.25	3.7	—	µg/L	—	—	3.25	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.19	3.7	—	µg/L	—	—	3.19	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.403	733	—	µg/L	—	—	0.403	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.397	733	—	µg/L	—	—	0.397	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	2.95	91	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	2.9	91	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	2.95	—	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	2.9	—	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	50	7.48	µg/L	—	—	3.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	50	7.48	µg/L	—	—	3.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.295	34.3	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.29	34.3	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	2.44	50	1*r	µg/L	—	—	1.0	Y	J	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	2.16	50	1*r	µg/L	—	—	1.0	Y	J	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.086	—	2.65*r	pCi/L	1.24	5.03	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.17	—	2.65*r	pCi/L	1.57	6.88	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	µg/L	—	—	3.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	µg/L	—	—	3.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	mg/L	—	—	0.00167	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	mg/L	—	—	0.00167	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.295	0.0343	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.29	0.0343	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	2.95	7.9	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	2.9	7.9	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	µg/L	—	—	0.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	µg/L	—	—	0.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	2.95	600	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	2.9	600	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	2.95	—	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	2.9	—	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	2.95	75	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	2.9	75	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	2.95	1.25	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	2.9	1.25	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	2.95	45.3	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	2.9	45.3	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.295	14800	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.29	14800	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.295	612	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.29	612	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	2.95	354	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	2.9	354	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.295	885	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.29	885	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	2.95	1.52	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	2.9	1.52	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0842	2	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0941	2	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	4.92	38.7	—	µg/L	—	—	4.92	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	4.84	38.7	—	µg/L	—	—	4.84	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	2.95	2.37	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0842	2.37	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	2.9	2.37	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0941	2.37	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	2.95	0.485	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0842	0.485	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	2.9	0.485	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0941	0.485	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.295	200	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.29	200	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	2.95	7	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	2.9	7	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	2.95	4.59	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	4.59	—	µg/L	—	—	0.1	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	2.9	4.59	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	4.59	—	µg/L	—	—	0.1	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	2.95	122	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	2.9	122	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylhydrazine[1,2-]	122-66-7	N	2.95	0.78	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylhydrazine[1,2-]	122-66-7	N	2.9	0.78	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.295	802	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.29	802	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.295	288	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.29	288	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.382	1.6	0.377	mg/L	—	—	0.033	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.38	1.6	0.377	mg/L	—	—	0.033	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.385	15	2.012*r	pCi/L	0.473	2.35	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.495	15	2.012*r	pCi/L	0.407	2.31	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.744	—	3.81*r	pCi/L	0.734	2.47	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.88	—	3.81*r	pCi/L	0.92	2.99	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36.9	—	67.1	mg/L	—	—	0.453	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36.5	—	67.1	mg/L	—	—	0.453	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	2.95	1	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	2.9	1	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	2.95	1.39	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	2.9	1.39	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	2.95	50	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	2.9	50	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	2.95	3.28	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	2.9	3.28	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0842	1000	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0941	1000	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.295	0.343	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.29	0.343	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	µg/L	—	—	30.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	µg/L	—	—	30.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.44	781	—	µg/L	—	—	3.44	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.39	781	—	µg/L	—	—	3.39	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	µg/L	—	—	0.5	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	µg/L	—	—	0.5	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.12	—	4.18	mg/L	—	—	0.11	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.09	—	4.18	mg/L	—	—	0.11	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.2	200	12.1*r	µg/L	—	—	2.0	Y	J	J	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.25	200	12.1*r	µg/L	—	—	2.0	Y	J	J	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199143	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.295	11.4	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.29	11.4	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.295	35.1	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.29	35.1	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	2.95	930	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	2.9	930	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.64	930	—	µg/L	—	—	3.64	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.58	930	—	µg/L	—	—	3.58	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.1	1000	2.5	µg/L	—	—	0.2	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.05	1000	2.5	µg/L	—	—	0.2	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.295	1.65	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.29	1.65	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.38	—	4.72*r	pCi/L	2.64	9.7	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.04	—	4.72*r	pCi/L	2.29	9.24	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	µg/L	—	—	0.6	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	µg/L	—	—	0.6	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.285	10	0.769	mg/L	—	—	0.017	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.287	10	0.769	mg/L	—	—	0.017	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	2.95	190	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	2.9	190	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	2.95	—	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	2.9	—	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	2.95	38	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	2.9	38	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	2.95	1.4	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0842	1.4	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	2.9	1.4	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0941	1.4	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	2.95	—	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	2.9	—	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	2.95	—	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	2.9	—	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	2.95	0.00167	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	0.00167	—	µg/L	—	—	0.00018	Y	U	U	N3B-2020-1488	CAAN-20-199143	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	2.9	0.00167	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	0.00167	—	µg/L	—	—	0.00018	Y	U	U	N3B-2020-1488	CAAN-20-199270	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	2.95	0.00491	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	0.00491	—	µg/L	—	—	0.00036	Y	U	U	N3B-2020-1488	CAAN-20-199143	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	2.9	0.00491	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	0.00491	—	µg/L	—	—	0.00036	Y	U	U	N3B-2020-1488	CAAN-20-199270	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	2.95	0.0273	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	0.0273	—	µg/L	—	—	0.00047	Y	U	U	N3B-2020-1488	CAAN-20-199143	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	2.9	0.0273	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.000478	0.0273	—	µg/L	—	—	0.00047	Y	J	U	N3B-2020-1488	CAAN-20-199270	SWRI
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	2.95	0.11	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	0.11	—	µg/L	—	—	0.00018	Y	U	UJ	N3B-2020-1488	CAAN-20-199143	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	2.9	0.11	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	0.11	—	µg/L	—	—	0.00018	Y	U	UJ	N3B-2020-1488	CAAN-20-199270	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	2.95	0.37	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	0.37	—	µg/L	—	—	0.00033	Y	U	U	N3B-2020-1488	CAAN-20-199143	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	2.9	0.37	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	0.37	—	µg/L	—	—	0.00033	Y	U	U	N3B-2020-1488	CAAN-20-199270	SwRI
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0863	3.14	—	µg/L	—	—	0.0863	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0965	3.14	—	µg/L	—	—	0.0965	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0842	1.74	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0941	1.74	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.158	42.7	—	µg/L	—	—	0.158	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.176	42.7	—	µg/L	—	—	0.176	Y	U	UJ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	2.95	9.81	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	2.9	9.81	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	2.95	3.07	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	2.9	3.07	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	2.95	1	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	2.9	1	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.184	13.8	0.414	µg/L	—	—	0.05	Y	J	J	N3B-2020-1487	CAAN-20-199144	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.214	13.8	0.414	µg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.582	70	—	ng/L	—	—	0.582	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.584	70	—	ng/L	—	—	0.584	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.706	70	—	ng/L	—	—	0.706	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.708	70	—	ng/L	—	—	0.708	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.706	70	—	ng/L	—	—	0.706	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.708	70	—	ng/L	—	—	0.708	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.105	190	—	µg/L	—	—	0.105	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.118	190	—	µg/L	—	—	0.118	Y	U	UJ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.295	170	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.29	170	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	2.95	5	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenol	108-95-2	N	2.9	5	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0321	—	0.00994*r	pCi/L	0.014	0.0539	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0103	—	0.00994*r	pCi/L	0.0136	0.0473	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0146	—	0.0171*r	pCi/L	0.0113	0.0541	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0128	—	0.0171*r	pCi/L	0.0123	0.0474	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.11	—	2.39	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.12	—	2.39	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.56	—	35.6*r	pCi/L	17.6	71.1	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	42.3	—	35.6*r	pCi/L	23.3	49.1	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	2.95	250	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Prometon	1610-18-0	N	2.9	250	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.295	117	—	µg/L	—	—	0.295	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.29	117	—	µg/L	—	—	0.29	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	2.95	20	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyridine	110-86-1	N	2.9	20	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.323	5	—	pCi/L	0.0923	0.177	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.129	5	—	pCi/L	0.137	0.495	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	5.29	—	—	pCi/L	0.401	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.175	—	—	pCi/L	0.232	—	—	Y	—	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	4.96	5	—	pCi/L	0.391	0.569	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.0457	5	—	pCi/L	0.187	0.678	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0842	9.66	—	µg/L	—	—	0.0842	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	DL	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	Y	14.9	9.66	—	µg/L	—	—	0.235	Y	—	J	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.098	9.66	—	ug/L	—	—	0.098	Y	U	U	N3B-2021-418	CAAN-21-210808	GELC
R-29	1170.0	11/17/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.097	9.66	—	ug/L	—	—	0.097	Y	U	U	N3B-2021-418	CAAN-21-210809	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.2	—	81.9	mg/L	—	—	0.053	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.6	—	81.9	mg/L	—	—	0.053	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.81	—	16	mg/L	—	—	0.1	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	9.73	—	16	mg/L	—	—	0.1	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.15	—	1.93*r	pCi/L	1.45	5.04	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.126	—	1.93*r	pCi/L	1.38	5.38	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136.0	—	—	µS/cm	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136.0	—	—	µS/cm	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	56.2	11800	157	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	55.5	11800	157	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0958	8	0.355*r	pCi/L	0.142	0.496	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0338	8	0.355*r	pCi/L	0.145	0.499	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.65	600	4.59	mg/L	—	—	0.133	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.63	600	4.59	mg/L	—	—	0.133	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	2.95	20	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	2.9	20	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.316	—	—	µg/L	—	—	0.316	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.353	—	—	µg/L	—	—	0.353	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199270	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	2.95	1.66	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	2.9	1.66	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	2.95	240	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	2.9	240	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0842	39.4	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0941	39.4	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	µg/L	—	—	0.6	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	µg/L	—	—	0.6	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*r	µg/L	—	—	2.5	Y	U	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*r	µg/L	—	—	2.5	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	110.0	1000	161	mg/L	—	—	3.4	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	110.0	1000	161	mg/L	—	—	3.4	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0445	—	0.165*r	mg/L	—	—	0.033	Y	J	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0475	—	0.165*r	mg/L	—	—	0.033	Y	J	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.08	mg/L	—	—	0.33	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.08	mg/L	—	—	0.33	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	70	—	ng/L	—	—	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	70	—	ng/L	—	—	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0731	—	0.0822*r	mg/L	—	—	0.02	Y	—	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.086	—	0.0822*r	mg/L	—	—	0.02	Y	—	U	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	2.95	70	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	2.9	70	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	2.95	1170	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	2.9	1170	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	2.95	11.9	—	µg/L	—	—	2.95	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	2.9	11.9	—	µg/L	—	—	2.9	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0842	590	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0941	590	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0842	9.8	—	µg/L	—	—	0.0842	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0941	9.8	—	µg/L	—	—	0.0941	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.316	—	—	µg/L	—	—	0.316	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.353	—	—	µg/L	—	—	0.353	Y	U	UJ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8	20000	2.06*r	pCi/L	0.985	3.102	—	Y	U	U	N3B-2020-1522	CAAN-20-199143	ARSL
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.54	20000	2.06*r	pCi/L	0.882	2.942	—	Y	U	U	N3B-2020-1522	CAAN-20-199270	ARSL
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.398	30	1.19	µg/L	—	—	0.067	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.401	30	1.19	µg/L	—	—	0.067	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.275	27.2	0.715	pCi/L	0.0412	0.0801	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	27.2	0.715	pCi/L	0.0405	0.0783	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	28.8	0.0423*r	pCi/L	0.0165	0.0626	—	Y	U	U	N3B-2020-1487	CAAN-20-199143	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	28.8	0.0423*r	pCi/L	0.0123	0.0611	—	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	30	0.336	pCi/L	0.0334	0.073	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	30	0.336	pCi/L	0.0309	0.0712	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.29	63.1	11.4	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	5.11	63.1	11.4	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	4.71	10000	14.4*r	µg/L	—	—	3.3	Y	J	U	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	10000	14.4*r	µg/L	—	—	3.3	Y	U	U	N3B-2020-1487	CAAN-20-199271	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.521	—	—	µg/L	—	—	0.521	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.521	—	—	µg/L	—	—	0.521	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.313	—	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.313	535	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.313	—	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	14100	—	µg/L	—	—	1.5	Y	U	UJ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	µg/L	—	—	8.0	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	SU	—	—	0.01	Y	H	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	mg/L	—	—	1.45	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.7	—	72.9	mg/L	—	—	1.45	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	µg/L	—	—	68.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000298	—	0.0167*r	pCi/L	0.0102	0.0452	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0833	1.9	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0833	1.9	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.473	—	0.1*r	mg/L	—	—	0.017	Y	—	J+	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.38	130	—	µg/L	—	—	4.38	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.313	1720	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.25	10	2.7*r	µg/L	—	—	2.0	Y	J	J	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.13	3	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14.0	2000	38.1	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.07	0.00109	—	µg/L	—	—	4.07	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.313	0.12	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.313	0.2	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.313	0.343	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.313	—	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.313	3.43	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.26	75000	—	µg/L	—	—	6.26	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.13	2000	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.13	59	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.13	0.137	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.313	6	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	µg/L	—	—	15.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	mg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.13	—	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.313	160	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.78	—	17.03	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.731	—	2.93*r	pCi/L	1.48	5.73	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.81	250	2.7	mg/L	—	—	0.067	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.13	1400	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.44	3.7	—	µg/L	—	—	3.44	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.428	733	—	µg/L	—	—	0.428	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.13	91	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.13	—	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	50	7.48	µg/L	—	—	3.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.313	34.3	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.52	50	1*r	µg/L	—	—	1.0	Y	J	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.733	—	2.65*r	pCi/L	1.18	4.59	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	µg/L	—	—	3.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	mg/L	—	—	0.00167	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.313	0.0343	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.13	7.9	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	µg/L	—	—	0.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.13	600	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.13	—	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.13	75	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.13	1.25	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.13	45.3	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.313	14800	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.313	612	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.13	354	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.313	885	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.13	1.52	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0833	2	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.22	38.7	—	µg/L	—	—	5.22	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.13	2.37	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0833	2.37	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.13	0.485	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0833	0.485	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.313	200	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.13	7	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.13	4.59	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	4.59	—	µg/L	—	—	0.1	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.13	122	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylhydrazine[1,2-]	122-66-7	N	3.13	0.78	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.313	802	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.313	288	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.403	1.6	0.377	mg/L	—	—	0.033	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.448	15	2.012*r	pCi/L	0.596	2.31	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.246	—	3.81*r	pCi/L	0.688	2.38	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.0	—	67.1	mg/L	—	—	0.453	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.13	1	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.13	1.39	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.13	50	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.13	3.28	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0833	1000	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.313	0.343	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	µg/L	—	—	30.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	µg/L	—	—	15.0	Y	U	UJ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.65	781	—	µg/L	—	—	3.65	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	µg/L	—	—	0.5	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.29	—	4.18	mg/L	—	—	0.11	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	µg/L	—	—	0.067	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	µg/L	—	—	1.0	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.313	11.4	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.313	35.1	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.13	930	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.86	930	—	µg/L	—	—	3.86	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.22	1000	2.5	µg/L	—	—	0.2	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.313	1.65	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.09	—	4.72*r	pCi/L	3.06	12.0	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	200	2.9	µg/L	—	—	0.6	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.303	10	0.769	mg/L	—	—	0.017	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.13	190	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.13	—	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.13	38	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.13	1.4	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0833	1.4	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.13	—	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.13	—	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.13	0.00167	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	0.00167	—	µg/L	—	—	0.00018	Y	U	U	N3B-2020-1488	CAAN-20-199145	SwRI
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.13	0.00491	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	0.00491	—	µg/L	—	—	0.00036	Y	U	U	N3B-2020-1488	CAAN-20-199145	SwRI
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.13	0.0273	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	0.0273	—	µg/L	—	—	0.00047	Y	U	U	N3B-2020-1488	CAAN-20-199145	SwRI
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.13	0.11	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	0.11	—	µg/L	—	—	0.00018	Y	U	UJ	N3B-2020-1488	CAAN-20-199145	SwRI
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.13	0.37	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	0.37	—	µg/L	—	—	0.00033	Y	U	U	N3B-2020-1488	CAAN-20-199145	SwRI
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0854	3.14	—	µg/L	—	—	0.0854	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0833	1.74	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.156	42.7	—	µg/L	—	—	0.156	Y	U	UJ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.13	9.81	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.13	3.07	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.13	1	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.361	13.8	0.414	µg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.589	70	—	ng/L	—	—	0.589	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.714	70	—	ng/L	—	—	0.714	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.714	70	—	ng/L	—	—	0.714	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.104	190	—	µg/L	—	—	0.104	Y	U	UJ	N3B-2020-1487	CAAN-20-199145	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.313	170	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.13	5	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0067	—	0.00994*r	pCi/L	0.0107	0.0412	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0067	—	0.0171*r	pCi/L	0.00973	0.0413	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.15	—	2.39	mg/L	—	—	0.05	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-51.9	—	35.6*r	pCi/L	18.2	67.2	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.13	250	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.313	117	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.13	20	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.335	5	—	pCi/L	0.129	0.371	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.459	—	—	pCi/L	0.235	—	—	Y	—	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.124	5	—	pCi/L	0.196	0.692	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0833	9.66	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.9	—	81.9	mg/L	—	—	0.053	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.9	—	16	mg/L	—	—	0.1	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.718	—	1.93*r	pCi/L	1.13	4.4	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135.0	—	—	µS/cm	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.0	11800	157	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0904	8	0.355*r	pCi/L	0.141	0.495	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.55	600	4.59	mg/L	—	—	0.133	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.13	20	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.313	—	—	µg/L	—	—	0.313	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	deg C	—	—	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.13	1.66	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.13	240	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0833	39.4	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	µg/L	—	—	0.6	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*r	µg/L	—	—	2.5	Y	U	U	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	111.0	1000	161	mg/L	—	—	3.4	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0869	—	0.165*r	mg/L	—	—	0.033	Y	J	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.08	mg/L	—	—	0.33	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	70	—	ng/L	—	—	—	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.07	—	0.0822*r	mg/L	—	—	0.02	Y	—	J+	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	µg/L	—	—	2.0	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.13	70	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.13	1170	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.13	11.9	—	µg/L	—	—	3.13	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0833	590	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0833	9.8	—	µg/L	—	—	0.0833	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.313	—	—	µg/L	—	—	0.313	Y	U	UJ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.575	20000	2.06*r	pCi/L	0.884	3.014	—	Y	U	U	N3B-2020-1522	CAAN-20-199145	ARSL
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.475	30	1.19	µg/L	—	—	0.067	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	27.2	0.715	pCi/L	0.0417	0.0737	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0618	28.8	0.0423*r	pCi/L	0.0197	0.0576	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	30	0.336	pCi/L	0.0278	0.0671	—	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.13	63.1	11.4	µg/L	—	—	1.0	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	µg/L	—	—	1.5	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	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	Screening Value	Background	Report Units	Lab Uncertainty	Report MDA	Report MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	µg/L	—	—	0.3	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.41	10000	14.4*r	µg/L	—	—	3.3	Y	J	U	N3B-2020-1487	CAAN-20-199146	GELC

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

Location 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
Intermediate																						
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3	µg/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	1.5	µg/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	6.2	—	—	1.5	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.59	—	—	0.01	SU	Y	H	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38	—	—	0.01	SU	Y	H	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.29	—	—	0.01	SU	Y	H	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.37	—	—	0.01	SU	Y	H	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.25	—	—	0.01	SU	Y	H	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.6	—	—	0.725	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50	—	—	1.45	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.6	—	—	1.45	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.1	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00558	0.00416	0.0333	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0114	0.00708	0.0439	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00194	0.007	0.0363	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00401	0.00567	0.0367	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00947	0.00628	0.0335	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	9.43	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	8.97	—	—	1	µg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	9.52	—	—	1	µg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	9.37	—	—	1	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	9.74	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.79	—	—	0.05	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.15	—	—	0.05	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.08	—	—	0.05	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.58	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.565	1.53	4.75	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.374	1.16	3.58	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.373	1.81	5.94	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.49	0.933	3.06	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.761	1.44	4.87	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.22	—	—	0.067	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.31	—	—	0.067	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.26	—	—	0.067	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.22	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.39	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.66	1.42	4.93	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.751	1.01	3.58	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.684	1.7	6.3	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.134	0.918	3.53	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.08	1.2	5.12	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.141	—	—	0.033	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.159	—	—	0.033	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.158	—	—	0.033	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.153	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.161	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.408	0.528	2.75	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.623	0.413	1.58	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.094	0.516	2.35	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.12	0.854	2.92	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.21	0.826	2.78	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.452	0.308	1.02	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.77	0.822	2.65	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC

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

Location 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-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.02	0.845	2.11	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2	0.803	2.55	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.4	0.793	2.59	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	32.3	—	—	0.453	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	33.3	—	—	0.453	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	31.1	—	—	0.453	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	31.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	31.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.5	—	—	0.11	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.54	—	—	0.11	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.64	—	—	0.11	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.42	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.62	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.2	µg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.52	—	—	0.2	µg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.91	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.63	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.41	3.3	11.8	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.08	3.5	8.02	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.25	3.49	10.5	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.83	1.9	6.72	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.19	2.61	9.36	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.112	—	—	0.017	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0903	—	—	0.017	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0997	—	—	0.017	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.106	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0972	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.124	—	—	0.05	µg/L	Y	J	J	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.12	—	—	0.05	µg/L	Y	J	J	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.117	—	—	0.05	µg/L	Y	J	J	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0957	—	—	0.05	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.116	—	—	0.05	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	0.00967	0.0351	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0255	0.0244	0.0461	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00405	0.00859	0.043	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0122	0.00808	0.0533	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0119	0.0129	0.0441	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0177	0.00941	0.0323	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0204	0.0119	0.0383	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0081	0.0095	0.0463	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00974	0.0077	0.0622	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0167	0.0119	0.0442	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	0.763	—	—	0.05	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	0.899	—	—	0.05	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	0.95	—	—	0.05	mg/L	Y	—	J+	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	0.717	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	0.912	—	—	0.05	mg/L	Y	—	J+	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	45	19.7	64.1	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.82	13.6	49.1	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.37	20	78.6	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.14	28.6	39.5	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.7	15.3	57.8	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.483	0.161	0.432	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.654	0.248	—	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.171	0.189	0.657	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68	—	—	0.053	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.1	—	—	0.053	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.7	—	—	0.053	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC

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

Location 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-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.68	—	—	0.1	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.78	—	—	0.1	mg/L	Y	N	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.61	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.97	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.99	1.51	5.58	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.645	1.05	3.69	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.08	1.65	6	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0611	0.9	3.52	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.243	1.57	5.97	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	111	—	—	3.63	µS/cm	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108	—	—	1	µS/cm	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104	—	—	1	µS/cm	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	46.6	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45.5	—	—	1	µg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	44.9	—	—	1	µg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	49.6	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.037	0.132	0.491	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0994	0.127	0.472	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.262	0.0952	0.474	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0455	0.134	0.49	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.046	0.138	0.482	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.66	—	—	0.133	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.66	—	—	0.133	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.59	—	—	0.133	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.37	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.32	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	139	—	—	3.4	mg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	157	—	—	3.4	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	J	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0477	—	—	0.033	mg/L	Y	J	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.165	mg/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.115	—	—	0.033	mg/L	Y	—	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0702	—	—	0.033	mg/L	Y	J	J	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.16	0.646	2.207	—	pCi/L	Y	U	U	2016-946	CAWA-16-110753	ARSL
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.444	0.796	2.717	—	pCi/L	Y	U	U	2017-1286	CAWA-17-130486	ARSL
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.587	0.711	2.435	—	pCi/L	Y	U	U	2018-2173	CAWA-18-151439	ARSL
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.701	0.749	2.473	—	pCi/L	Y	U	U	N3B-2019-925	CAWA-19-166404	ARSL
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.132	0.819	2.786	—	pCi/L	Y	U	U	N3B-2020-1444	CAWA-20-199139	ARSL
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.294	—	—	0.067	µg/L	Y	—	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.259	—	—	0.067	µg/L	Y	—	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.248	—	—	0.067	µg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.282	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.243	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.215	0.0273	0.113	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110753	GELC

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

Location 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-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.213	0.0249	0.128	—	pCi/L	Y	—	NQ	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.257	0.027	0.0961	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.187	0.025	0.0896	—	pCi/L	Y	—	NQ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.158	0.0259	0.0554	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0131	0.00978	0.0724	—	pCi/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.044	0.0134	0.11	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0553	0.0142	0.0456	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0192	0.0101	0.0829	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00512	0.00803	0.043	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.133	0.0214	0.0722	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110753	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.138	0.0196	0.129	—	pCi/L	Y	—	NQ	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.1	0.0182	0.0588	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.112	0.0191	0.105	—	pCi/L	Y	—	NQ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.085	0.0174	0.0504	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199139	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.9	—	—	1	µg/L	Y	J	J	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	N	5	—	—	1	µg/L	Y	U	U	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.5	—	—	1	µg/L	Y	J	J	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.86	—	—	1	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.46	—	—	1	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199140	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-929	CAWA-16-110784	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	5.35	—	—	3.3	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.68	—	—	3.3	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199140	GELC
Regional																						
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95	—	—	0.01	SU	Y	H	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.725	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.4	—	—	0.725	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59	—	—	1.45	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.4	—	—	1.45	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.6	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.7	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.1	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0152	0.0056	0.0303	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00679	0.00635	0.0304	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0112	0.00674	0.0521	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000000000869	0.00492	0.0325	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00215	0.0057	0.0394	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.022	0.0104	0.0325	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0166	0.0088	0.0294	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	26.9	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	27.1	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	26.1	—	—	1	µg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.8	—	—	1	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.2	—	—	1	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	26.9	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.7	—	—	0.05	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10	—	—	0.05	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC

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

Location 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-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	3.01	1.73	6.91	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0599	1.07	3.81	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.874	1.18	3.97	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.968	1.57	6.06	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.01	1.4	4.07	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.33	1.57	5.31	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.103	1.13	4.29	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.5	—	—	0.067	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.48	—	—	0.067	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.52	—	—	0.067	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.52	—	—	0.067	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.47	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.67	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	5	—	—	1	µg/L	Y	U	U	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	Y	1.01	—	—	1	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0758	1.53	6.04	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.4	1.31	3.33	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0823	1.15	4.33	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.366	1.58	6.17	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0168	0.844	3.3	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.667	1.63	6.19	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.133	0.846	3.33	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.173	—	—	0.033	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.17	—	—	0.033	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.176	—	—	0.033	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.184	—	—	0.033	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.268	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.63	0.936	2.97	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.365	0.762	2.96	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.583	0.755	2.86	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0622	0.456	2.3	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.42	0.844	2.75	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.763	0.807	2.98	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	0.863	2.99	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.51	0.443	1.42	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	-1.13	0.474	1.65	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.14	0.887	2.83	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.326	0.682	2.45	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.2	0.814	2.56	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.35	0.806	2.65	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.942	0.608	2.02	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.4	—	—	0.453	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.7	—	—	0.453	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	41.2	—	—	0.453	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	—	0.453	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.09	—	—	0.11	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.09	—	—	0.11	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC

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

Location 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-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.3	—	—	0.11	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.43	—	—	0.11	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.1	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.34	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.33	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.165	µg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.978	—	—	0.165	µg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.2	µg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.02	—	—	0.2	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.967	—	—	0.2	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.987	—	—	0.2	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.63	3.47	11.1	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.18	2.21	7.78	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.398	2.17	7.7	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.19	3.03	10.7	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.67	1.79	6.78	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.54	2.6	8.82	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.44	2.35	8.7	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.278	—	—	0.017	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.294	—	—	0.017	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.272	—	—	0.017	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.286	—	—	0.017	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.284	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.277	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.277	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	SVOC	SW-846:8270DGCMS_SIM	Nitrosodimethylamine[N-]	62-75-9	N	0.206	—	—	0.0722	µg/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	5.15	—	—	1.55	µg/L	Y	U	UJ	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	SVOC	SW-846:8270DGCMS_SIM	Nitrosodimethylamine[N-]	62-75-9	N	0.204	—	—	0.0714	µg/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	5.26	—	—	1.58	µg/L	Y	U	UJ	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	10.3	—	—	3.09	µg/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000372	—	—	0.00036	µg/L	Y	J	J	N3B-2020-1443	CAWA-20-199141	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	FD	HRGC/HRMS	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000671	—	—	0.00036	µg/L	Y	—	NQ	N3B-2020-1443	CAWA-20-205980	SwRI
R-27	852.0	07/29/2020	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	2.97	—	—	2.97	µg/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.208	—	—	0.05	µg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.203	—	—	0.05	µg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.211	—	—	0.05	µg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	—	0.05	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.205	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.207	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.249	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0153	0.00881	0.0402	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00583	0.00921	0.0461	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00971	0.00724	0.0586	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00534	0.0462	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00449	0.0071	0.0491	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00549	0.00951	0.0507	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0111	0.00856	0.0408	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0127	0.0105	0.037	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0262	0.012	0.0424	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00971	0.0107	0.0487	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0131	0.00815	0.0498	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.018	0.011	0.0574	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00549	0.014	0.0508	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00221	0.0115	0.0409	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.33	—	—	0.05	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC

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

Location 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-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.32	—	—	0.05	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.56	—	—	0.05	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	J+	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.22	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.42	—	—	0.05	mg/L	Y	—	J+	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.45	—	—	0.05	mg/L	Y	—	J+	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.1	20.5	75.2	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-36	13.4	42.9	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.07	13.7	50	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-29.9	20.4	76.9	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.4	14	47.7	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.1	24.7	92	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	5.54	16.3	59.8	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	10/26/2007	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	1.41	0.252	0.414	—	pCi/L	Y	—	NQ	196605	GU071000GR2701	GELC
R-27	852.0	10/26/2007	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.989	0.218	0.433	—	pCi/L	Y	—	J	196605	GU071000GR2720	GELC
R-27	852.0	04/11/2008	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.572	0.23	0.66	—	pCi/L	Y	U	U	08-991	CAWA-08-11690	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.44	0.131	0.259	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.168	0.119	0.403	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.783	0.211	—	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.795	0.266	—	—	pCi/L	Y	—	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	10/26/2007	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.268	0.17	0.553	—	pCi/L	Y	U	U	196605	GU071000GR2701	GELC
R-27	852.0	10/26/2007	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.198	0.256	0.874	—	pCi/L	Y	U	U	196605	GU071000GR2720	GELC
R-27	852.0	04/11/2008	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.244	0.19	0.64	—	pCi/L	Y	U	U	08-991	CAWA-08-11690	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.343	0.165	0.525	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.626	0.238	0.742	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.4	—	—	0.053	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.1	—	—	0.053	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.3	—	—	0.053	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.96	—	—	0.1	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	N	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.629	1.81	6.55	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.796	1.1	3.85	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.511	0.894	3.68	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.169	1.72	6.25	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.78	1	3.04	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.36	2.15	6.09	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.905	1.27	5.04	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	3.63	µS/cm	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	3.63	µS/cm	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	µS/cm	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	µS/cm	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	49.3	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	49.3	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.2	—	—	1	µg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.2	—	—	1	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	49	—	—	1	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.5	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC

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

Location 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-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.242	0.128	0.486	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0983	0.105	0.434	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0445	0.0842	0.309	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00923	0.11	0.41	—	pCi/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.172	0.133	0.469	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.134	0.0678	0.243	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.117	0.14	0.473	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.32	—	—	0.133	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.32	—	—	0.133	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.44	—	—	0.133	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.42	—	—	0.133	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.29	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.4	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.38	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	144	—	—	3.4	mg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	177	—	—	3.4	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	94.3	—	—	3.4	mg/L	Y	—	J	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0335	—	—	0.033	mg/L	Y	J	U	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0344	—	—	0.033	mg/L	Y	J	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.5	—	—	0.165	mg/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0688	—	—	0.033	mg/L	Y	J	J	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	General Chemisty	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0387	—	—	0.033	mg/L	Y	J	J	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.244	0.648	2.217	—	pCi/L	Y	U	U	2016-946	CAWA-16-110697	ARSL
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.143	0.658	2.247	—	pCi/L	Y	U	U	2016-946	CAWA-16-110752	ARSL
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.707	0.69	2.267	—	pCi/L	Y	U	U	2017-1286	CAWA-17-130485	ARSL
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.263	0.729	2.49	—	pCi/L	Y	U	U	2018-2173	CAWA-18-151437	ARSL
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.497	0.729	2.259	—	pCi/L	Y	U	U	N3B-2019-925	CAWA-19-166400	ARSL
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.801	0.996	2.891	—	pCi/L	Y	U	U	N3B-2020-1444	CAWA-20-199141	ARSL
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.258	0.881	2.969	—	pCi/L	Y	U	U	N3B-2020-1444	CAWA-20-205980	ARSL
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.623	—	—	0.067	µg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.612	—	—	0.067	µg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.553	—	—	0.067	µg/L	Y	—	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.514	—	—	0.067	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.584	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.498	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.503	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.369	0.0414	0.157	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.356	0.0348	0.118	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.408	0.0316	0.126	—	pCi/L	Y	—	NQ	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.329	0.0303	0.0964	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.337	0.0316	0.0786	—	pCi/L	Y	—	NQ	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.314	0.0315	0.0466	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.26	0.0317	0.0533	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00684	0.101	—	pCi/L	Y	U	U	2016-929	CAWA-16-110752	GELC

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

Location 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-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.00882	0.0755	—	pCi/L	Y	U	U	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.029	0.0123	0.108	—	pCi/L	Y	U	U	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.062	0.0149	0.0457	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0337	0.0135	0.0727	—	pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0086	0.0086	0.0362	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0214	0.0119	0.0414	—	pCi/L	Y	U	U	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	0.0298	0.101	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110752	GELC
R-27	852.0	03/18/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.027	0.0753	—	pCi/L	Y	—	NQ	2016-929	CAWA-16-110697	GELC
R-27	852.0	03/24/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.192	0.0225	0.127	—	pCi/L	Y	—	NQ	2017-1265	CAWA-17-130485	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.243	0.0266	0.059	—	pCi/L	Y	—	NQ	2018-2134	CAWA-18-151437	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.144	0.0213	0.0919	—	pCi/L	Y	—	J	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.177	0.0238	0.0424	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199141	GELC
R-27	852.0	07/29/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.145	0.0239	0.0484	—	pCi/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205980	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.88	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	5.75	—	—	1	µg/L	Y	—	NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.55	—	—	1	µg/L	Y	J	J	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.55	—	—	1	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.49	—	—	1	µg/L	Y	—	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.29	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	5.47	—	—	1	µg/L	Y	—	NQ	N3B-2020-1442	CAWA-20-205979	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2016-929	CAWA-16-110700	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	4.57	—	—	3.3	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	07/29/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	4.3	—	—	3.3	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-199142	GELC
R-27	852.0	07/29/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	5.83	—	—	3.3	µg/L	Y	J	J	N3B-2020-1442	CAWA-20-205979	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	1.5	µg/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	1.5	µg/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	4.81	—	—	1.5	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.02	—	—	0.01	SU	Y	H	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	1.45	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	1.45	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.7	—	—	1.45	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	1.45	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	1.45	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.7	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.6	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00378	0.00535	0.0439	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0161	0.00592	0.0414	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00161	0.00483	0.0282	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00588	0.00464	0.0275	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00411	0.00769	0.0385	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00383	0.0108	0.035	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0105	0.00812	0.0371	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00607	0.00834	0.0358	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC

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

Location 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-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.12	—	—	2	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.2	—	—	2	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	15.5	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	16.1	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	15.1	—	—	1	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	15.2	—	—	1	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	14.6	—	—	1	µg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	15	—	—	1	µg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14.9	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	15.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.92	—	—	0.05	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.68	—	—	0.05	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.64	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.52	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.377	0.938	3.23	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.733	1.05	3.24	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.843	1.6	5.91	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2	1.48	4.86	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.242	1.66	6.56	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.849	0.715	2.91	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.29	1.33	4.41	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.611	1.28	4.57	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.75	—	—	0.067	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.067	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.68	—	—	0.067	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.62	—	—	0.067	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.067	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.62	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.79	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.78	1.06	4.32	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-3.07	1.11	3.27	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.43	1.09	5.05	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.284	1.14	4.75	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.83	1.93	6.43	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0638	0.625	2.62	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.086	1.24	5.03	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.17	1.57	6.88	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.142	—	—	0.033	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.15	—	—	0.033	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.153	—	—	0.033	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.245	—	—	0.033	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.22	—	—	0.033	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.256	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.382	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.38	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.02	0.34	1.01	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.904	0.318	0.98	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.117	0.686	2.86	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC

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

Location 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-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0876	0.28	1.82	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.76	0.599	2.09	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.375	0.72	2.8	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.385	0.473	2.35	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.495	0.407	2.31	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.67	0.9	2.94	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.62	0.835	2.72	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.124	0.747	2.74	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.12	0.656	2.15	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.55	0.765	2.44	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.57	0.606	1.86	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.744	0.734	2.47	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.88	0.92	2.99	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36.1	—	—	0.453	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36.9	—	—	0.453	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	37	—	—	0.453	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	37.1	—	—	0.453	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	35.7	—	—	0.453	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.76	—	—	0.11	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.81	—	—	0.11	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.87	—	—	0.11	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.79	—	—	0.11	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.25	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.12	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.09	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.84	—	—	2	µg/L	Y	J	J	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	6.27	—	—	2	µg/L	Y	J	J	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	4.38	—	—	2	µg/L	Y	J	J	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	4	—	—	2	µg/L	Y	J	J	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.77	—	—	2	µg/L	Y	J	J	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.55	—	—	2	µg/L	Y	J	J	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.2	—	—	2	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.25	—	—	2	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.42	—	—	0.3	µg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.37	—	—	0.3	µg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.2	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.2	µg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.1	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.05	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.64	1.98	6.14	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.901	1.73	5.65	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.259	2.65	7.79	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.55	2.34	8.99	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.478	3.45	11.9	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.685	1.57	5.92	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.38	2.64	9.7	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.04	2.29	9.24	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.275	—	—	0.017	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.277	—	—	0.017	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.346	—	—	0.017	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.425	—	—	0.017	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.297	—	—	0.017	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.309	—	—	0.017	mg/L	Y	—	J+	N3B-2019-855	CAAN-19-166406	GELC

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

Location 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-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.285	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.287	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.243	—	—	0.05	µg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.228	—	—	0.05	µg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.245	—	—	0.05	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.23	—	—	0.05	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.23	—	—	0.05	µg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.234	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.184	—	—	0.05	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.214	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00311	0.00539	0.0563	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00879	0.00932	0.0397	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00531	0.00638	0.0307	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00623	0.00804	0.0441	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0131	0.00618	0.0463	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.033	0.011	0.0515	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0321	0.014	0.0539	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0103	0.0136	0.0473	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00311	0.0112	0.0468	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0022	0.00728	0.0331	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0124	0.00638	0.0398	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00415	0.00831	0.0475	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00218	0.00578	0.05	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00881	0.0602	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0146	0.0113	0.0541	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0128	0.0123	0.0474	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.19	—	—	0.05	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.1	—	—	0.05	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.04	—	—	0.05	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	0.978	—	—	0.05	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.11	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	43.5	17.8	31.7	—	pCi/L	Y	UI	R	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-3.49	13.1	45.8	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17	12.9	42.3	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.3	26.7	48.2	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	22.4	27.9	121	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.89	17.2	42.5	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-5.56	17.6	71.1	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	42.3	23.3	49.1	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.323	0.0923	0.177	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.129	0.137	0.495	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	5.29	0.401	—	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.175	0.232	—	—	pCi/L	Y	—	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	4.96	0.391	0.569	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.0457	0.187	0.678	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8321A_MOD	RDX	121-82-4	N	0.284	—	—	0.0909	µg/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8321A_MOD	RDX	121-82-4	N	0.278	—	—	0.0889	µg/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.086	—	—	0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0842	—	—	0.0842	µg/L	Y	U	UJ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	DL	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	Y	14.9	—	—	0.235	µg/L	Y	—	J	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.098	—	—	0.098	ug/L	Y	U	U	N3B-2021-418	CAAN-21-210808	GELC
R-29	1170.0	11/17/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.097	—	—	0.097	ug/L	Y	U	U	N3B-2021-418	CAAN-21-210809	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.8	—	—	0.053	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC

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

Location 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-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.5	—	—	0.053	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.8	—	—	0.053	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	63	—	—	0.053	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	59.2	—	—	0.053	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	J+	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	J+	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.81	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	9.73	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0103	0.963	3.54	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.344	0.86	3.26	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.64	1.17	5.09	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.833	1.25	4.89	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	2.41	2.25	9.98	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.591	0.798	2.34	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.15	1.45	5.04	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.126	1.38	5.38	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	1	µS/cm	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122	—	—	1	µS/cm	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	1	µS/cm	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	136	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	58.7	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	59.8	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	58.4	—	—	1	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	57.4	—	—	1	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	56.1	—	—	1	µg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	55.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	56.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	55.5	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.146	0.0767	0.351	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0383	0.123	0.494	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.272	0.144	0.464	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.287	0.125	0.388	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0232	0.111	0.432	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.296	0.141	0.448	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0958	0.142	0.496	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0338	0.145	0.499	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.133	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	2.12	—	—	0.133	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.96	—	—	0.133	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	2.02	—	—	0.133	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	2.04	—	—	0.133	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.72	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.65	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.63	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2089	CAAN-18-151450	GELC

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

Location 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-29	1170.0	03/06/2018	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	3.4	mg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	110	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.839	0.982	3.313	—	pCi/L	Y	U	U	2017-1286	CAAN-17-130479	ARSL
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-2.241	0.91	3.012	—	pCi/L	Y	U	U	2017-1286	CAAN-17-130539	ARSL
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.213	0.812	2.739	—	pCi/L	Y	U	U	2017-2937	CAAN-17-144828	ARSL
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.827	0.794	2.717	—	pCi/L	Y	U	U	2018-2112	CAAN-18-151444	ARSL
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.34	0.766	2.616	—	pCi/L	Y	U	U	2018-2112	CAAN-18-151451	ARSL
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	3.181	1.051	2.987	—	pCi/L	Y	—	NQ	N3B-2019-872	CAAN-19-166407	ARSL
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.8	0.985	3.102	—	pCi/L	Y	U	U	N3B-2020-1522	CAAN-20-199143	ARSL
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.54	0.882	2.942	—	pCi/L	Y	U	U	N3B-2020-1522	CAAN-20-199270	ARSL
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.401	—	—	0.067	µg/L	Y	—	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.384	—	—	0.067	µg/L	Y	—	NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.404	—	—	0.067	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.387	—	—	0.067	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.381	—	—	0.067	µg/L	Y	—	NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.436	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.398	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.401	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.231	0.0264	0.152	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.286	0.0291	0.145	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.0431	0.101	—	pCi/L	Y	—	NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.294	0.0284	0.0869	—	pCi/L	Y	—	J	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.365	0.0346	0.104	—	pCi/L	Y	—	NQ	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.31	0.0363	0.105	—	pCi/L	Y	—	NQ	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.275	0.0412	0.0801	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.302	0.0405	0.0783	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0174	0.0105	0.13	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0234	0.01	0.125	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0996	0.028	0.107	—	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0412	0.015	0.0412	—	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0635	0.0173	0.0494	—	pCi/L	Y	—	NQ	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0411	0.017	0.0973	—	pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.0165	0.0626	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0179	0.0123	0.0611	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.194	0.0237	0.153	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130479	GELC
R-29	1170.0	03/27/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.17	0.0231	0.146	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130539	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.212	0.0346	0.0973	—	pCi/L	Y	—	NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.193	0.0227	0.0532	—	pCi/L	Y	—	J	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.214	0.0263	0.0637	—	pCi/L	Y	—	NQ	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.151	0.0258	0.122	—	pCi/L	Y	—	J	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	0.0334	0.073	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199143	GELC
R-29	1170.0	08/01/2020	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.181	0.0309	0.0712	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199270	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.98	—	—	1	µg/L	Y	J	J	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.96	—	—	1	µg/L	Y	J	J	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.56	—	—	1	µg/L	Y	J	J	2017-2889	CAAN-17-144826	GELC

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

Location 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-29	1170.0	03/06/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.18	—	—	1	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.46	—	—	1	µg/L	Y	J	J	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.08	—	—	1	µg/L	Y	—	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.29	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199144	GELC
R-29	1170.0	08/01/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	5.11	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199271	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	1.45	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.3	—	—	1.45	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57	—	—	1.45	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.7	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00383	0.00542	0.0444	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00681	0.00539	0.0299	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0103	0.041	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0312	0.0125	0.0439	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00741	0.00741	0.0452	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00000000298	0.0102	0.0452	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0208	—	—	0.017	mg/L	Y	J	U	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0477	—	—	0.017	mg/L	Y	J	J	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0574	—	—	0.017	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0766	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0413	—	—	0.017	mg/L	Y	J	J	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.473	—	—	0.017	mg/L	Y	—	J+	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.15	—	—	2	µg/L	Y	J	J	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.45	—	—	2	µg/L	Y	J	J	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.25	—	—	2	µg/L	Y	J	J	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	13.5	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	13	—	—	1	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14.6	—	—	1	µg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14.1	—	—	1	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	13.9	—	—	1	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.67	—	—	0.05	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.43	—	—	0.05	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.78	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.826	1.84	6.39	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.01	1.45	5.05	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.74	0.989	3.01	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0294	1.2	3.97	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.389	1.13	3.88	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.731	1.48	5.73	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.067	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.6	—	—	0.067	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.58	—	—	0.067	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.55	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.54	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Chloride	Cl(-1)	Y	1.81	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC

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

Location 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-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.75	1.48	7.29	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.976	1.58	5.61	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.22	0.947	3.29	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.27	1.04	3.53	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.19	0.994	4.14	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.733	1.18	4.59	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.156	—	—	0.033	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.182	—	—	0.033	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.179	—	—	0.033	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.212	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Fluoride	F(-1)	Y	0.403	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.424	0.299	1.14	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.544	0.716	2.74	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.711	0.627	2.27	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.256	0.75	2.88	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.03	0.841	2.86	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.448	0.596	2.31	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.42	0.747	2.44	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.927	0.807	2.75	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.724	0.725	2.51	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.1	0.901	3	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.575	0.867	2.96	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.246	0.688	2.38	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	36	—	—	0.453	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	35.3	—	—	0.453	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.8	—	—	0.453	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.86	—	—	0.11	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.1	—	—	0.11	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.13	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.08	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.29	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.3	µg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.2	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.2	µg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.22	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.16	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.22	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.85	2.8	10.6	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.77	3.09	11.4	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.04	1.73	6.13	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.267	2.33	7.22	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.77	1.86	7.01	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.09	3.06	12	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.294	—	—	0.017	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.381	—	—	0.017	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316	—	—	0.017	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.333	—	—	0.017	mg/L	Y	—	J+	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.326	—	—	0.017	mg/L	Y	—	J+	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.303	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.259	—	—	0.05	µg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.262	—	—	0.05	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.247	—	—	0.05	µg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.237	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.205	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC

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

Location 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-30	1140.0	08/01/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.361	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0286	0.0151	0.0646	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00699	0.00773	0.0404	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00634	0.00969	0.0448	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00228	0.0051	0.0499	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00474	0.00821	0.0519	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0067	0.0107	0.0412	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00714	0.0101	0.0537	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0163	0.00902	0.0524	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.000000000705	0.00518	0.0484	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0433	0.0114	0.0582	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.019	0.0134	0.0606	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0067	0.00973	0.0413	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.19	—	—	0.05	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.09	—	—	0.05	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.23	—	—	0.05	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.19	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.15	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-37.1	21.1	77.2	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	79.1	30	54.6	—	pCi/L	Y	UI	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23	11.9	40.2	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	16.3	21	50.8	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-14.1	13.1	48.7	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-51.9	18.2	67.2	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.335	0.129	0.371	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.459	0.235	—	—	pCi/L	Y	—	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.124	0.196	0.692	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.2	—	—	0.053	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.5	—	—	0.053	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	72	—	—	0.053	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.418	1.59	6.37	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.34	1.84	5.47	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.182	0.853	2.99	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.26	0.985	2.88	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.596	0.9	3.23	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.718	1.13	4.4	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/cm	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	µS/cm	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	1	µS/cm	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	1	µS/cm	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	µS/cm	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	135	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	50.4	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	49.6	—	—	1	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	52.2	—	—	1	µg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	53	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.168	0.102	0.336	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC

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

Location 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-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0837	0.102	0.436	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.199	0.114	0.499	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.37	0.125	0.402	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.301	0.119	0.37	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0904	0.141	0.495	—	pCi/L	Y	U	U	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.65	—	—	0.133	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.59	—	—	0.133	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.57	—	—	0.133	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.49	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.52	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:300.0	Sulfate	SO4(-2)	Y	1.55	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	General Chemisty	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	97.1	—	—	3.4	mg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	211	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:160.1	Total Dissolved Solids	TDS	Y	111	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	General Chemisty	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0374	—	—	0.02	mg/L	Y	J	J	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	General Chemisty	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.545	—	—	0.02	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	General Chemisty	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0465	—	—	0.02	mg/L	Y	J	J	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	General Chemisty	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0389	—	—	0.02	mg/L	Y	J	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	General Chemisty	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0343	—	—	0.02	mg/L	Y	J	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	General Chemisty	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.07	—	—	0.02	mg/L	Y	—	J+	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.138	0.864	2.92	—	pCi/L	Y	U	U	2017-1286	CAAN-17-130480	ARSL
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.679	0.792	2.441	—	pCi/L	Y	U	U	2017-2937	CAAN-17-144829	ARSL
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.479	0.635	2.118	—	pCi/L	Y	U	U	2018-2112	CAAN-18-151491	ARSL
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.826	0.89	3.031	—	pCi/L	Y	U	U	N3B-2019-872	CAAN-19-166417	ARSL
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.181	0.867	2.941	—	pCi/L	Y	U	U	N3B-2019-872	CAAN-19-166487	ARSL
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.575	0.884	3.014	—	pCi/L	Y	U	U	N3B-2020-1522	CAAN-20-199145	ARSL
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.46	—	—	0.067	µg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.521	—	—	0.067	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.434	—	—	0.067	µg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.509	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.504	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.475	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.265	0.0266	0.136	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.397	0.0477	0.0986	—	pCi/L	Y	—	NQ	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.316	0.0263	0.0741	—	pCi/L	Y	—	NQ	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.335	0.0479	0.163	—	pCi/L	Y	—	NQ	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.32	0.0479	0.164	—	pCi/L	Y	—	NQ	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.0417	0.0737	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0436	0.0125	0.117	—	pCi/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0488	0.0201	0.105	—	pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0175	0.0109	0.0351	—	pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0476	0.0214	0.152	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0358	0.0203	0.152	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0618	0.0197	0.0576	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.224	0.0251	0.137	—	pCi/L	Y	—	NQ	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.208	0.0339	0.0954	—	pCi/L	Y	—	NQ	2017-2890	CAAN-17-144829	GELC

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

Location 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-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.144	0.0189	0.0453	—	pCi/L	Y	—	NQ	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.167	0.0335	0.19	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.183	0.0364	0.191	—	pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	08/01/2020	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.0278	0.0671	—	pCi/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199145	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.25	—	—	1	µg/L	Y	—	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.03	—	—	1	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.31	—	—	1	µg/L	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.67	—	—	1	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.73	—	—	1	µg/L	Y	—	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	08/01/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.13	—	—	1	µg/L	Y	—	NQ	N3B-2020-1487	CAAN-20-199146	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
Regional	R-29	1170.0	08/01/2020	LCMS/MS[a] High Explosives	RDX[b]	121-82-4	UF[c]	DL[d]	FD[e]	Y[f]	14.9	0.235	µg/L	5.00		J[g]	HE19[h]	Y	SW-846:8330B	GELC[i]	9.66	NMED A1 TAP SCRN LVL[j]	1.54
Regional	R-29	1170.0	08/01/2020	RAD[k]	Radium-228	Ra-228	UF	INIT[l]	REG[m]	Y	4.96		pCi/L	1.00		NQ[n]	NQ,R33[o]	Y	EPA:904	GELC	5	NM GW STD[p]	0.99

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

[b] RDX = Royal Demolition Explosive.

[c] UF = Unfiltered.

[d] DL = Dilution.

[e] FD = Field duplicate.

[f] Y = Yes.

[g] J = The associated numerical value is an estimated quantity.

[h] HE19: The data validator identified quality deficiencies in the reported data that require further qualification.

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

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

[k] RAD = Radiochemistry.

[l] INIT = Initial.

[m] REG = Regular.

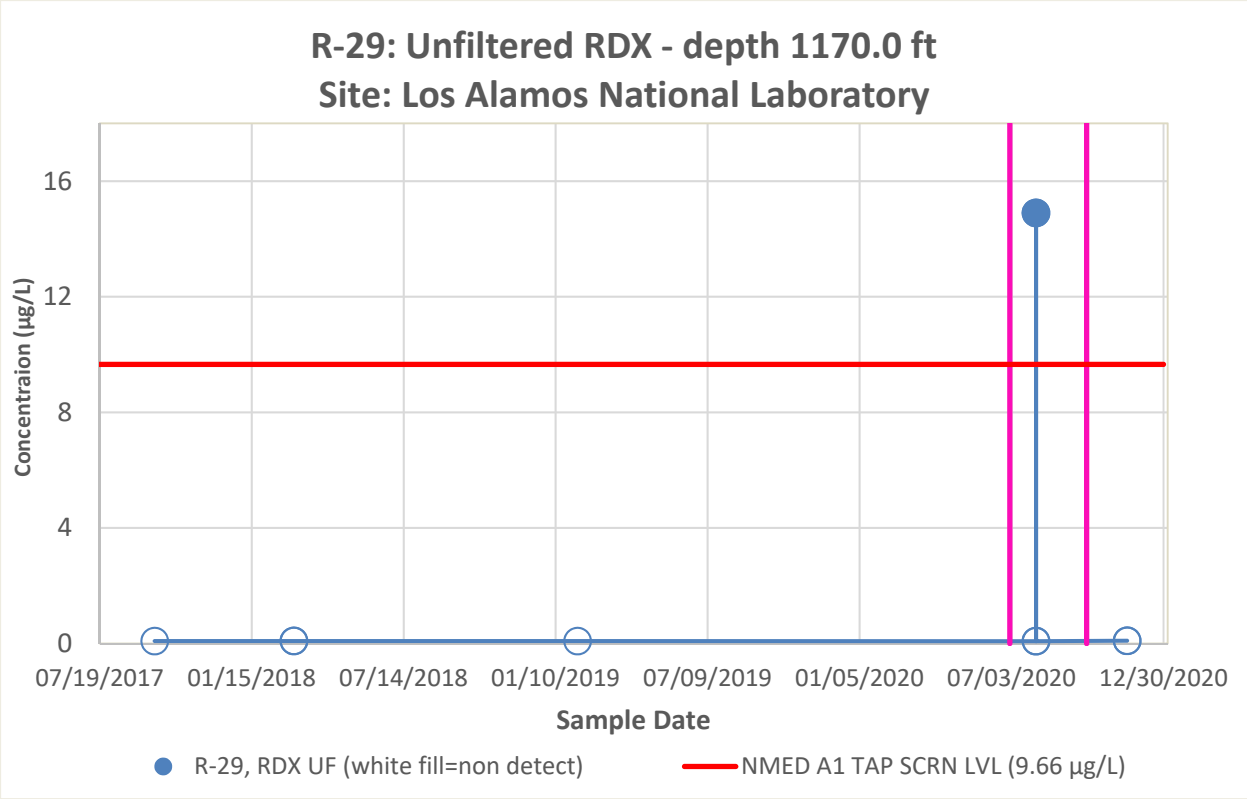
[n] NQ = Not qualified.

[o] R33 = Naturally occurring radionuclide.

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

Appendix E

Analytical Chemistry Graphs of Screening-Value Exceedances


R-29: Unfiltered RDX - depth 1170.0 ft
Site: Los Alamos National Laboratory
Concentraion (µg/L)
16
12
8
4
0
07/19/2017
01/15/2018
07/14/2018
01/10/2019
07/09/2019
01/05/2020
07/03/2020
12/30/2020
Sample Date
R-29, RDX UF (white fill=non detect)
NMED A1 TAP SCRN LVL (9.66 µg/L)

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft bgs)	Screen Bottom Depth (ft bgs)
N3B-2020-1442	Inorganic	GELC[a]	CAWA-20-199142	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Inorganic	GELC	CAWA-20-199141	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Inorganic	GELC	CAWA-20-205980	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Inorganic	GELC	CAWA-20-205979	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Inorganic	GELC	CAWA-20-199139	07/29/2020	R-27i	619.000	629.000
N3B-2020-1442	Inorganic	GELC	CAWA-20-199140	07/29/2020	R-27i	619.000	629.000
N3B-2020-1442	Organic	GELC	CAWA-20-199141	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Organic	GELC	CAWA-20-205980	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Organic	GELC	CAWA-20-199139	07/29/2020	R-27i	619.000	629.000
N3B-2020-1442	Rad[b]	GELC	CAWA-20-199141	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Rad	GELC	CAWA-20-205980	07/29/2020	R-27	852.000	875.000
N3B-2020-1442	Rad	GELC	CAWA-20-199139	07/29/2020	R-27i	619.000	629.000
N3B-2020-1443	Organic	SwRI[c]	CAWA-20-205980	07/29/2020	R-27	852.000	875.000
N3B-2020-1443	Organic	SwRI	CAWA-20-199141	07/29/2020	R-27	852.000	875.000
N3B-2020-1443	Organic	SwRI	CAWA-20-199139	07/29/2020	R-27i	619.000	629.000
N3B-2020-1444	Rad	ARSL[d]	CAWA-20-199141	07/29/2020	R-27	852.000	875.000
N3B-2020-1444	Rad	ARSL	CAWA-20-205980	07/29/2020	R-27	852.000	875.000
N3B-2020-1444	Rad	ARSL	CAWA-20-199139	07/29/2020	R-27i	619.000	629.000
N3B-2020-1487	Inorganic	GELC	CAAN-20-199271	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Inorganic	GELC	CAAN-20-199144	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Inorganic	GELC	CAAN-20-199270	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Inorganic	GELC	CAAN-20-199143	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Inorganic	GELC	CAAN-20-199146	08/01/2020	R-30	1140.000	1160.900
N3B-2020-1487	Inorganic	GELC	CAAN-20-199145	08/01/2020	R-30	1140.000	1160.900
N3B-2020-1487	Organic	GELC	CAAN-20-199143	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Organic	GELC	CAAN-20-199270	08/01/2020	R-29	1170.000	1180.000

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft bgs)	Screen Bottom Depth (ft bgs)
N3B-2020-1487	Organic	GELC	CAAN-20-199145	08/01/2020	R-30	1140.000	1160.900
N3B-2020-1487	Rad	GELC	CAAN-20-199143	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Rad	GELC	CAAN-20-199270	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1487	Rad	GELC	CAAN-20-199145	08/01/2020	R-30	1140.000	1160.900
N3B-2020-1488	Organic	SwRI	CAAN-20-199270	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1488	Organic	SwRI	CAAN-20-199143	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1488	Organic	SwRI	CAAN-20-199145	08/01/2020	R-30	1140.000	1160.900
N3B-2020-1522	Rad	ARSL	CAAN-20-199143	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1522	Rad	ARSL	CAAN-20-199270	08/01/2020	R-29	1170.000	1180.000
N3B-2020-1522	Rad	ARSL	CAAN-20-199145	08/01/2020	R-30	1140.000	1160.900

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

[b] Rad = Radiochemistry (not gamma).

[c] SwRI = Southwest Research Institute

[d] ARSL = American Radiation Services, Inc.