Letter: EMID-700556
TA-16: EMID-700557
MDA AB: EMID-700558

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

AUG 2 7 2019

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

Dear Mr. Kieling:

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

Enclosed please find two hard copies with electronic files of the "Annual Periodic Monitoring Report for the Technical Area 16 260 Monitoring Group, Pajarito Canyon and Water Canyon/Cañon de Valle Watersheds" and the "Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon." The reports include results from the sampling campaign performed through the second quarter of monitoring year 2019.

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

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

Sincerely,

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

Enclosures: Two hard copies with electronic files -

1. Annual Periodic Monitoring Report for the Technical Area 16 260 Monitoring Group, Pajarito Canyon and Water Canyon/Cañon de Valle Watersheds (EM2019-0292)
2. Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group, Ancho Canyon and Water Canyon (EM2019-0293)

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EM-LA-40AD-00486

August 2019
EM2019-0293

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

N3B Los Alamos

EM2019-0293

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

August 2019

Responsible program director:

Printed Name	Signature	Title	Organization	Date
Bruce Robinson		Program Director	Water Program	8/21/2019

Responsible N3B representative:

Printed Name	Signature	Title	Organization	Date
Erich Evered	for	Program Manager	N3B Environmental Remediation Program	8/23/19

Responsible DOE EM-LA representative:

Printed Name	Signature	Title	Organization	Date
Arturo Q. Duran		Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents results for the Material Disposal Area (MDA) AB monitoring group of the Newport News Nuclear BWXT-Los Alamos, LLC, groundwater monitoring program that have not been previously reported. All monitoring work reported in this PMR was conducted pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan for the 2019 Monitoring Year, October 2018–September 2019," 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 or well screen locations. There are no surface-water monitoring locations in this monitoring group.

This PMR presents monitoring results for one periodic monitoring event (PME) conducted during the second quarter of the 2019 monitoring year. In addition to results from the current PME, results are reported for the previous four PMEs as well as 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 PMR's publication.

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

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

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Acronyms and Abbreviations

µS/cm	microsiemens per centimeter
ARSL	American Radiation Services, Inc.
COC	chain of custody
Consent Order	Compliance Order on Consent
deg C	degrees Celsius
DOE	Department of Energy (U.S.)
DQO	data quality objective
EDD	electronic data deliverables
EIM	environmental information system
EPA	Environmental Protection Agency (U.S.)
GELC	GEL Laboratories, LLC
gpm	gallons per minute
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
MY	monitoring year
N	no (best value flag code)
n/a	not applicable
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
Rad	radiochemistry (not gamma)

RDX	Royal Demolition Explosive
SOP	standard operating procedure
SU	standard 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	2019	2	02/05/2019	02/08/2019

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 through the second quarter of the 2019 monitoring year. In addition to results from the PME listed in the table above, results are reported for the previous four PMEs as well as 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 PMR's publication.

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 2019 Monitoring Year, October 2018–September 2019" (2019 IFGMP) (N3B 2018, 700000), prepared in accordance with the Compliance Order on Consent (the Consent Order).

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

Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to NMED in accordance with 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 intermediate-perched 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). 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 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 (HEs) 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 TNT (2,4,6-trinitrotoluene), RDX (Royal Demolition Explosive), and HMX (Her Majesty's Explosive); 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 Laboratory 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 Ancho Canyon and Water Canyon watersheds. Monitoring locations include one perched-intermediate well and three groundwater wells completed within the deep regional.

Groundwater samples collected during the PME, which was conducted pursuant to the 2019 IFGMP (N3B 2018, 700000) were analyzed for general inorganic chemicals, including perchlorate; metals; semivolatile organic compounds (SVOCs); volatile organic compounds (VOCs); radionuclides, including low-level tritium; explosive compounds; and field parameters, including dissolved oxygen, flow (in gpm), 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) "WCSF-Interim Facility-Wide Groundwater Monitoring" (LANL 2016, 601812). Purge water is stored until characterization is complete. If requirements are met, the purge water can be land applied in accordance with the standard operating procedure (SOP) "Land Application of Groundwater" (N3B-EPC-CP-QP-010 Rev 4) and standing order "Land Application of Groundwater" (N3B-SOP-ER-0003), which implement the NMED-approved decision tree for land application of drilling, development, rehabilitation, and purge water.

Table 2.0-1 provides the 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. Figure 2.0-1 is an MDA AB vicinity map. Monitoring locations are shown in Figure 2.0-2.

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 to which groundwater monitoring results are compared in this PMR. These criteria include the NMWQCC groundwater standards effective December 21, 2018, EPA MCLs, EPA regional screening levels for tap water, and NMED screening levels for tap water. These criteria are used to screen results in accordance with the process specified in Section IX of the Consent Order, as listed in Table 3.0-1.

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

- Base flow monitoring locations are assigned to one of two screening categories based upon hydrology of the water body being monitored: perennial or intermittent-ephemeral. Along with a hardness value, this category determines the screening values used for data at each monitoring location. Hardness-dependent screening values used to screen data at each base flow monitoring location are determined from the 20.6.4.900 New Mexico Administrative Code (NMAC) Water Quality Standards for Interstate and Intrastate Surface Waters. Hardness acute and chronic aquatic life criteria for metals are calculated using the hardness-dependent equations at 20.6.4.900.I NMAC. Hardness-dependent acute and chronic criteria were used for total recoverable aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements therein.
- For each individual substance, the lower of the NMWQCC groundwater standard or EPA MCL is used as the screening value.
- If the 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.
- 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 the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. For this report, EPA MCLs are applied to both filtered and unfiltered sample results.

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2019 IFGMP (N3B 2018, 700000).

4.2 Comparison of Target Analytes and Method Detection Limits

Table 4.2-1 presents a list of target analytes with method detection limits (MDLs) equal to or greater than screening values. Several analytes were measured using more than one analytical method, leading to a range of MDLs. For some of these analytes, the MDL is much lower than for earlier analyses. Table 4.2-2 presents a list of analytes with MDLs below screening values. The tables apply to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the tables for reference.

4.3 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 this requirement could not be met.

4.4 Groundwater Elevations

The groundwater level is measured at each groundwater monitoring location before purging and sampling that location as required by the Consent Order. Table 2.1-1 notes any instances where this requirement could not be met.

In addition to collecting groundwater-level data before purging and sampling, N3B collected groundwater-level data “continuously” (e.g., hourly, daily) for most monitoring locations, and these data are voluntarily presented in this PMR. Any gaps in the continuous groundwater-level records presented in this PMR are a result of one or more of the following conditions:

- 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.

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

Groundwater-elevation measurements are shown graphically 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 regional groundwater surface and flow directions.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform PME analytical activities are documented in the 2019 IFGMP (N3B 2018, 700000).

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

- "WCSF-Interim Facility-Wide Groundwater Monitoring" (LANL 2016, 601812)
- "Groundwater Sampling" (N3B-SOP-ER-3003)
- "Groundwater Sampling" (IWD-TPMC-LA-16-049)
- "Groundwater Sampling Using Westbay MP System" (N3B-SOP-5225)
- "Wireless Connect/Non-connected Component Plan – Standalone Wireless System Name: Groundwater Monitoring Well Data Acquisition System" (N3B-SD-016-CP-032/L2)
- "Locus Mobile Application for Groundwater Data Collection" (N3B-SOP-ER-20324)
- "Groundwater Sampling and Sample Preservation" (ER-IWD-20088)
- "Manual Groundwater Level Measurements" (N3B-SOP-ER-3001)
- "Groundwater Level Data Processing, Review, and Validation" (N3B-SOP-ER-3004)
- "Validation of Volatile Organic Compound Analytical Data" (ER-AP-20309)
- "Validation of Semi-volatile Organic Compound Analytical Data" (ER-AP-20310)
- "Validation of Metals and Cyanide Analytical Data" (ER-AP-20313)
- "Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data" (ER-AP-20314)
- "Validation of General Chemistry Analytical Data" (N3B-ER-AP-20315)
- "Validation of LC-MS/MS Perchlorate Analytical Data" (N3B-ER-AP-20320)

Once sample collection has been planned, sample collection documents are prepared, including a chain-of-custody (COC) form, which also serves as an analytical request form. Field blanks are used to monitor for contamination during sampling and are collected at a minimum frequency of 10% of all organic samples collected during the sampling campaign. Field blanks are assigned to locations where samples for organic constituents are collected. Field blanks and primary samples from the same specific locations are analyzed for the same suites of organic analytes except for HE compounds, which are not analyzed in field blanks. Field duplicates are split samples that provide information about field variation of sampling results as well as analytical laboratory variation.

Field duplicates are collected at a rate of 10% of all samples collected during a sampling campaign. Field duplicates are distributed proportionally among surface water, alluvial groundwater, and intermediate/regional groundwater media according to the relative number of samples collected for each type of media. Field trip blanks accompany samples collected for VOC analyses and are used to identify potential VOC contamination that may occur during sample handling, shipping, and storage or at the analytical laboratory. Field trip blanks consist of organic-free deionized water prepared by an independent

off-site laboratory and are analyzed for VOCs only. A minimum of one trip blank is required for each cooler containing samples for VOC analyses; however, to facilitate data validation and verification, one trip blank may be included with each sample submitted for VOC analysis. Following sampling, the requested analytes sampled and the field COC are relinquished by sampling personnel to sample management personnel. 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.

Field collection, transportation, and analytical quality control (QC) criteria are identified in (1) the analytical method, (2) the external analytical laboratory statement of work and project data quality objectives (DQOs), and (3) the Consent Order. In addition, N3B submits blind field QC samples to test the sampling, shipping, and analytical laboratory processes. N3B data validation is an important step in the data QA process and determines the quality of an analytical data set. Data validation includes evaluation of laboratory and Consent Order-required QC samples, such as matrix spikes, duplicates, surrogates, method blanks, and laboratory control samples. Data validation also evaluates other sample characteristics, such as holding times, which indicate the accuracy and precision of the analyses. Data validation includes evaluation of the blind field QC samples.

All external electronic laboratory analytical data loaded into the N3B Environmental Information Management (EIM) system undergoes an autovalidation process. Autovalidation follows processes described in the N3B validation procedures listed above. Following autovalidation, all analytical laboratory data in the electronic data deliverables (EDDs), as well as the qualifiers and reason codes applied during autovalidation, are reviewed by an N3B chemist to assess data usability. Before any data in the data package are available to query in the EIM, the chemist reviewing the data must manually approve each data package. Once autovalidation is complete, the data and associated data analytical packages, including the QC information, are uploaded into the N3B EIM database system. This information is then made available to the public in the Intellus New Mexico database (http://intellusnm.com/). In addition to the autovalidation and usability reviews conducted by the N3B chemist during EDD loading, N3B reviews representativeness and comparability of analytical data to identify results for targeted review of quality criteria by an N3B chemist.

5.2 Analytical Data

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

Appendix C presents the analytical results for the PME reported in this PMR and from the previous four sampling events. All data collected during the PMEs (i.e., all data that have been independently reviewed for conformance with regulatory and N3B requirements) are reported as follows:

- All data
    - ❖ Reanalyses and results from different analytical methods are reported.
    - ❖ Data that are R-qualified (rejected because of noncompliance regarding QC acceptance criteria) during independent validation are considered unusable but are still reported.
    - ❖ Field duplicates are reported, all other QC results (matrix spike, matrix spike duplicates, field blanks, trip blanks, and field equipment blanks), are not included in the data set.
    - ❖ Tracers used for conceptual models are not reported.
    - ❖ Watch list data in which water-quality data for certain constituents are non-representative or are of questionable representativeness are not reported.

- Radionuclides
    - ❖ 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 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
    - ❖ Other than above mentioned, all results are reported at all locations.
- Nonradionuclides
    - ❖ All detected results are reported.

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

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

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

Table 5.2-1 provides groundwater analytical results by hydrogeologic zone for specific analytical suites that are above screening values. Multiple detections are included in the table except for field duplicate exceedances. For example, if aluminum were detected above its screening value in both a primary sample and a field duplicate, only the primary sample result would be recorded. If aluminum were detected above its screening value in any primary samples, all results would be shown. As noted in Table 5.2-1, there are no locations where an analyte was above its screening value for the data reported in this PMR.

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

5.2.1 Surface Water (Base Flow)

There are no surface-water monitoring locations in the MDA AB monitoring group.

5.2.2 Groundwater

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

5.3 Sampling Program Modifications

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

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

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

6.2 Analytical Results

6.2.1 Surface Water (Base Flow)

There are no surface-water monitoring locations in the MDA AB monitoring group.

6.2.2 Groundwater

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

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

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

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)

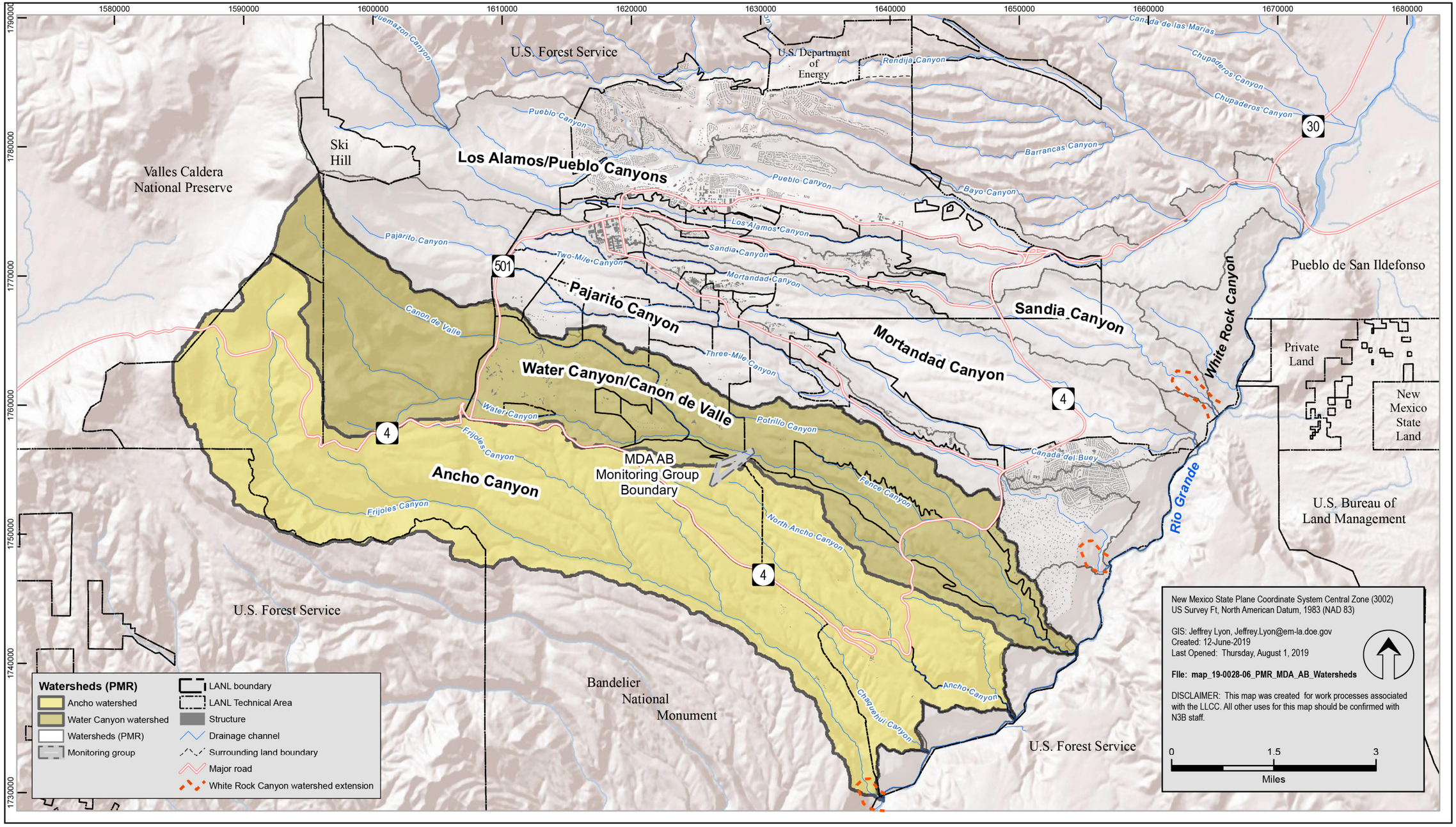

Figure 2.0-1 MDA AB vicinity map

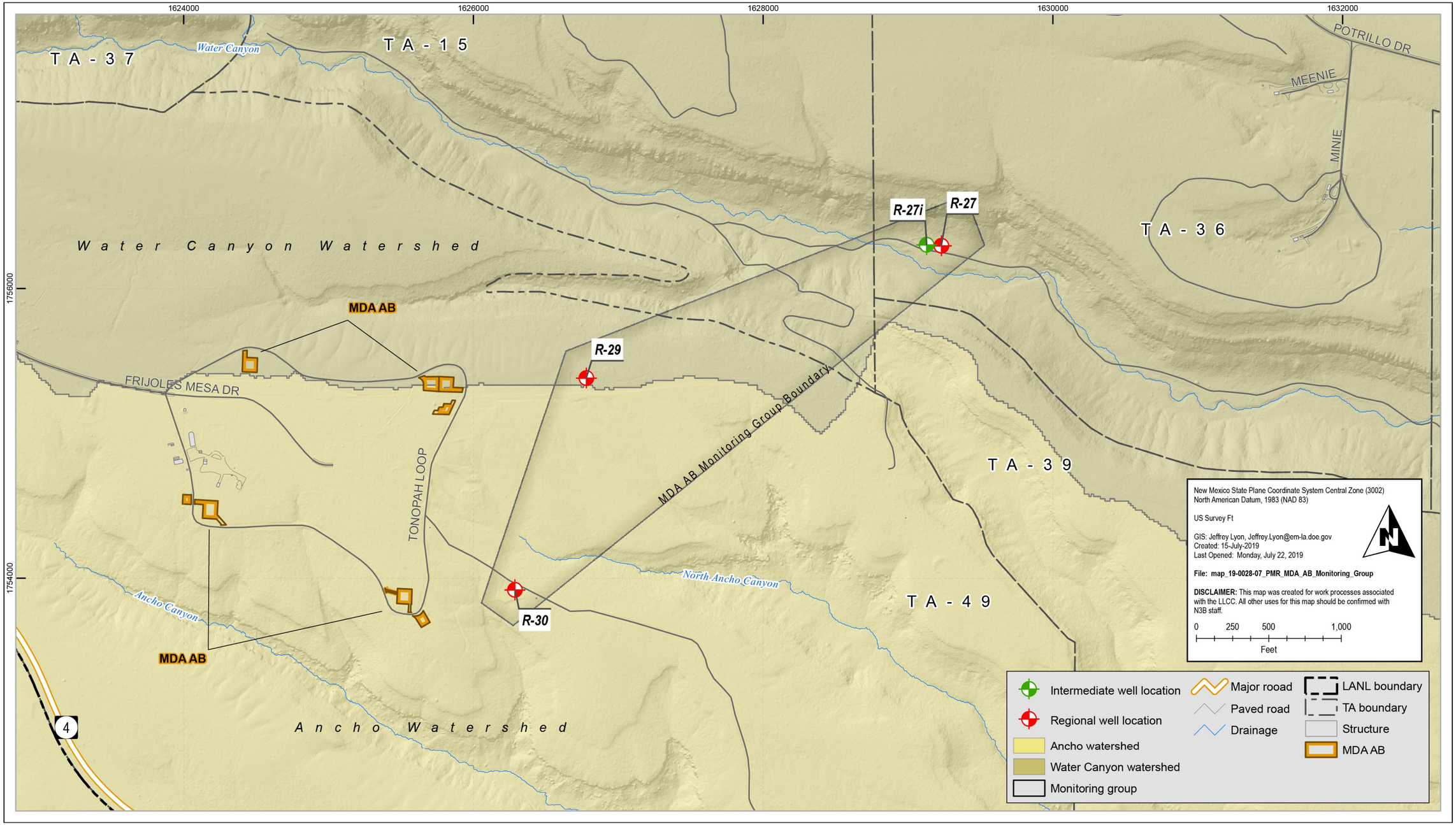

Figure 2.0-2 MDA AB monitoring group locations (see Table 2.0-1)

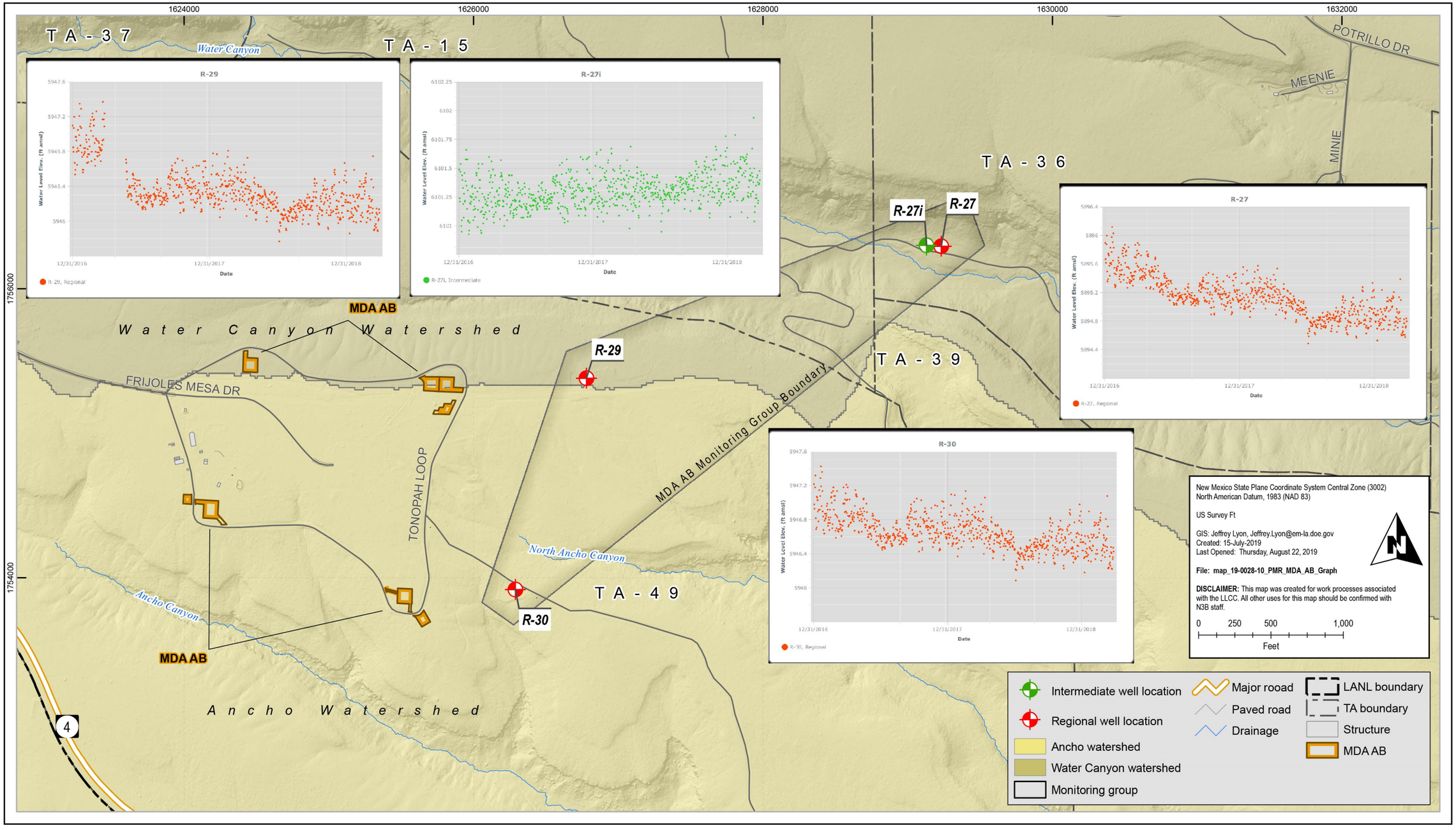

Figure 4.4-1 Groundwater elevations

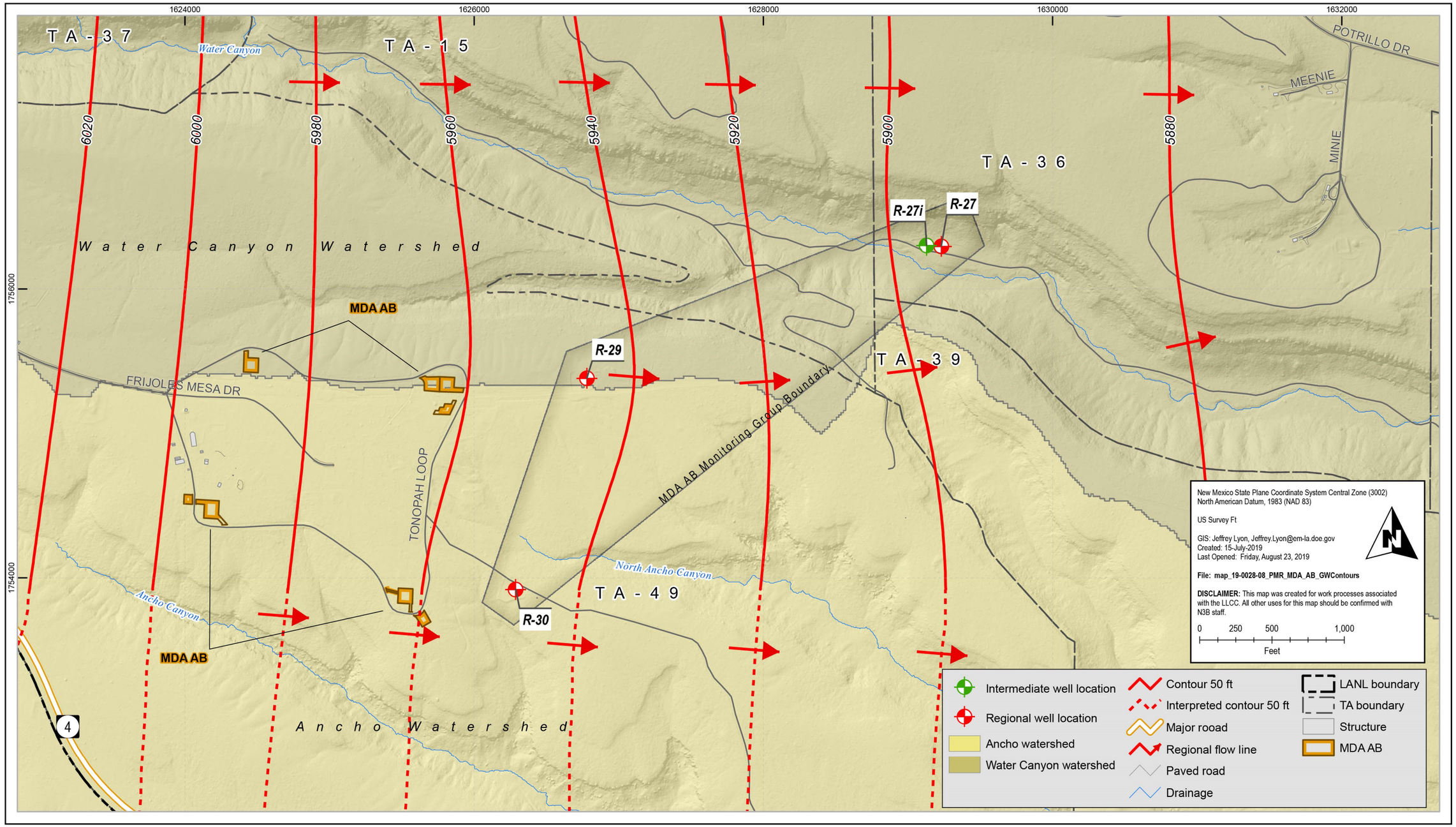

Figure 4.4-2 MDA AB regional groundwater surface and flow direction

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)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm*)
		MY	Quarter							
Intermediate										
R-27i	Water	2019	2	02/08/2019	10	619	629	13.65	42.18	0.57
Regional										
R-27	Water	2019	2	02/08/2019	23	852	875	49.29	156	3.9
R-29	Ancho			02/05/2019	10	1170	1180	38.19	230.7	7.69
R-30	Ancho			02/06/2019	20.9	1140	1160.9	45.71	150	5

* gpm = Gallons per minute.

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

Monitoring Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comment
		MY	Quarter			
n/a*	n/a	n/a	n/a	There were no observations or deviations to report for this PMR.	n/a	n/a

* n/a = Not applicable.

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

Standard Type	Standard Source	Description	Groundwater
New Mexico			
Standard	20 NMAC 6.2.3103	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

Table 3.0-1 (continued)

Standard Type	Standard Source	Description	Groundwater
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						
Atrazine	3–3.23	SW-846:8270D	3	µg/L	EPA TAP SCRN LVL[a]	GELC[b]
Azobenzene	3–3.23	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL	GELC
Benzidine	3.9–4.19	SW-846:8270D	0.00109	µg/L	NMED A1 TAP SCRN LVL[c]	GELC
Benzo(a)anthracene	0.3–0.323	SW-846:8270D	0.12	µg/L	NMED A1 TAP SCRN LVL	GELC
Benzo(a)pyrene	0.3–0.323	SW-846:8270D	0.2	µg/L	EPA MCL	GELC
Bis(2-chloroethyl)ether	3–3.23	SW-846:8270D	0.137	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.3–0.323	SW-846:8270D	0.0343	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.3–0.323	SW-846:8270D	0.0343	µg/L	NMED A1 TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	3–3.23	SW-846:8270D	1.25	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitro-2-methylphenol[4,6-]	3–3.23	SW-846:8270D	1.52	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,4-]	3–3.23	SW-846:8270D	2.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,6-]	3–3.23	SW-846:8270D	0.485	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
Hexachlorobenzene	3–3.23	SW-846:8270D	1	µg/L	EPA MCL	GELC
Hexachlorobutadiene	3–3.23	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrobenzene	3–3.23	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosodiethylamine[N-]	3–3.23	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	3–3.23	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	3–3.23	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	3–3.23	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	3–3.23	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Pentachlorobenzene	3–3.23	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRN LVL	GELC
Pentachlorophenol	3–3.23	SW-846:8270D	1	µg/L	EPA MCL	GELC
Tetrachlorobenzene[1,2,4,5]	3–3.23	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
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	EPA MCL	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] EPA TAP SCRN LVL = U.S. Environmental Protection Agency screening level for tap water.

[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 4.2-2
Target Analytes with MDLs Below Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
SVOCs						
Pentachlorobenzene	3–3.23	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRN LVL[a]	GELC[b]

[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.

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
n/a*	n/a	There are no results above screening values for data reported in this PMR.	n/a	n/a	n/a	n/a	n/a

*n/a = Not applicable.

Appendix A

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

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-27	852.0	02/08/2019	WG[a]	Dissolved Oxygen	7.08	mg/L[b]	CAWA-19-166399
R-27	852.0	03/09/2018	WG	Dissolved Oxygen	6.93	mg/L	CAWA-18-151436
R-27	852.0	03/24/2017	WG	Dissolved Oxygen	7.04	mg/L	CAWA-17-130485
R-27	852.0	03/18/2016	WG	Dissolved Oxygen	7.19	mg/L	CAWA-16-110752
R-27	852.0	02/06/2015	WG	Dissolved Oxygen	7.02	mg/L	CAWA-15-91341
R-27	852.0	02/08/2019	WG	Flow (in gpm[c])	3.9	gal/min	CAWA-19-166399
R-27	852.0	03/09/2018	WG	Flow (in gpm)	4.05	gal/min	CAWA-18-151436
R-27	852.0	03/24/2017	WG	Flow (in gpm)	3.84	gal/min	CAWA-17-130485
R-27	852.0	03/18/2016	WG	Flow (in gpm)	3.41	gal/min	CAWA-16-110752
R-27	852.0	02/06/2015	WG	Flow (in gpm)	3.33	gal/min	CAWA-15-91341
R-27	852.0	02/08/2019	WG	Oxidation-Reduction Potential	88.6	mV[d]	CAWA-19-166399
R-27	852.0	03/09/2018	WG	Oxidation-Reduction Potential	85.1	mV	CAWA-18-151436
R-27	852.0	03/24/2017	WG	Oxidation-Reduction Potential	58.8	mV	CAWA-17-130485
R-27	852.0	03/18/2016	WG	Oxidation-Reduction Potential	186.3	mV	CAWA-16-110752
R-27	852.0	02/06/2015	WG	Oxidation-Reduction Potential	64.6	mV	CAWA-15-91341
R-27	852.0	02/08/2019	WG	pH	7.95	SU[e]	CAWA-19-166399
R-27	852.0	03/09/2018	WG	pH	7.89	SU	CAWA-18-151436
R-27	852.0	03/24/2017	WG	pH	7.94	SU	CAWA-17-130485
R-27	852.0	03/18/2016	WG	pH	7.77	SU	CAWA-16-110752
R-27	852.0	02/06/2015	WG	pH	7.88	SU	CAWA-15-91341
R-27	852.0	02/08/2019	WG	Specific Conductance	118.9	µS/cm[f]	CAWA-19-166399
R-27	852.0	03/09/2018	WG	Specific Conductance	118.7	µS/cm	CAWA-18-151436
R-27	852.0	03/24/2017	WG	Specific Conductance	119.2	µS/cm	CAWA-17-130485
R-27	852.0	03/18/2016	WG	Specific Conductance	124	µS/cm	CAWA-16-110752
R-27	852.0	02/06/2015	WG	Specific Conductance	120	µS/cm	CAWA-15-91341
R-27	852.0	02/08/2019	WG	Temperature	16.6	deg C[g]	CAWA-19-166399
R-27	852.0	03/09/2018	WG	Temperature	18.4	deg C	CAWA-18-151436
R-27	852.0	03/24/2017	WG	Temperature	18.3	deg C	CAWA-17-130485

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-27	852.0	03/18/2016	WG	Temperature	17.69	deg C	CAWA-16-110752
R-27	852.0	02/06/2015	WG	Temperature	18.39	deg C	CAWA-15-91341
R-27	852.0	02/08/2019	WG	Turbidity	0.39	NTU[h]	CAWA-19-166399
R-27	852.0	03/09/2018	WG	Turbidity	0.21	NTU	CAWA-18-151436
R-27	852.0	03/24/2017	WG	Turbidity	0.34	NTU	CAWA-17-130485
R-27	852.0	03/18/2016	WG	Turbidity	0.39	NTU	CAWA-16-110752
R-27	852.0	02/06/2015	WG	Turbidity	0.7	NTU	CAWA-15-91341
R-27i	619.0	02/08/2019	WG	Dissolved Oxygen	8.09	mg/L	CAWA-19-166404
R-27i	619.0	03/09/2018	WG	Dissolved Oxygen	8.1	mg/L	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	Dissolved Oxygen	8.12	mg/L	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	Dissolved Oxygen	8.16	mg/L	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	Dissolved Oxygen	8.14	mg/L	CAWA-15-91342
R-27i	619.0	02/08/2019	WG	Flow (in gpm)	0.57	gal./min	CAWA-19-166404
R-27i	619.0	03/09/2018	WG	Flow (in gpm)	0.57	gal./min	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	Flow (in gpm)	0.52	gal./min	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	Flow (in gpm)	0.57	gal./min	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	Flow (in gpm)	0.65	gal./min	CAWA-15-91342
R-27i	619.0	02/08/2019	WG	Oxidation-Reduction Potential	222	mV	CAWA-19-166404
R-27i	619.0	03/09/2018	WG	Oxidation-Reduction Potential	166.9	mV	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	Oxidation-Reduction Potential	253.8	mV	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	Oxidation-Reduction Potential	293.9	mV	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	Oxidation-Reduction Potential	118.6	mV	CAWA-15-91342
R-27i	619.0	02/08/2019	WG	pH	7.11	SU	CAWA-19-166404
R-27i	619.0	03/09/2018	WG	pH	7.01	SU	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	pH	6.96	SU	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	pH	6.68	SU	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	pH	6.88	SU	CAWA-15-91342
R-27i	619.0	02/08/2019	WG	Specific Conductance	101.4	µS/cm	CAWA-19-166404

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-27i	619.0	03/09/2018	WG	Specific Conductance	102	µS/cm	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	Specific Conductance	102.4	µS/cm	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	Specific Conductance	107	µS/cm	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	Specific Conductance	0.6	µS/cm	CAWA-15-91342
R-27i	619.0	02/08/2019	WG	Temperature	12.7	deg C	CAWA-19-166404
R-27i	619.0	03/09/2018	WG	Temperature	13.8	deg C	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	Temperature	13.4	deg C	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	Temperature	13.97	deg C	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	Temperature	13.48	deg C	CAWA-15-91342
R-27i	619.0	02/08/2019	WG	Turbidity	0.87	NTU	CAWA-19-166404
R-27i	619.0	03/09/2018	WG	Turbidity	0.29	NTU	CAWA-18-151438
R-27i	619.0	03/24/2017	WG	Turbidity	0.6	NTU	CAWA-17-130486
R-27i	619.0	03/18/2016	WG	Turbidity	0.56	NTU	CAWA-16-110753
R-27i	619.0	02/06/2015	WG	Turbidity	1.2	NTU	CAWA-15-91342
R-29	1170.0	02/05/2019	WG	Dissolved Oxygen	6.14	mg/L	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	Dissolved Oxygen	5.54	mg/L	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	Dissolved Oxygen	5.3	mg/L	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	Dissolved Oxygen	6.32	mg/L	CAAN-17-130479
R-29	1170.0	08/26/2016	WG	Dissolved Oxygen	6.07	mg/L	CAAN-16-124887
R-29	1170.0	02/05/2019	WG	Flow (in gpm)	7.69	gal./min	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	Flow (in gpm)	7.5	gal./min	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	Flow (in gpm)	7.69	gal./min	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	Flow (in gpm)	7.32	gal./min	CAAN-17-130479
R-29	1170.0	08/26/2016	WG	Flow (in gpm)	6.81	gal./min	CAAN-16-124887
R-29	1170.0	02/05/2019	WG	Oxidation-Reduction Potential	162.3	mV	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	Oxidation-Reduction Potential	161.1	mV	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	Oxidation-Reduction Potential	241.4	mV	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	Oxidation-Reduction Potential	67.7	mV	CAAN-17-130479

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-29	1170.0	08/26/2016	WG	Oxidation-Reduction Potential	78.3	mV	CAAN-16-124887
R-29	1170.0	02/05/2019	WG	pH	8.05	SU	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	pH	8	SU	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	pH	8.14	SU	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	pH	7.86	SU	CAAN-17-130479
R-29	1170.0	08/26/2016	WG	pH	8.12	SU	CAAN-16-124887
R-29	1170.0	02/05/2019	WG	Specific Conductance	116.9	µS/cm	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	Specific Conductance	120.5	µS/cm	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	Specific Conductance	120.4	µS/cm	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	Specific Conductance	121.4	µS/cm	CAAN-17-130479
R-29	1170.0	08/26/2016	WG	Specific Conductance	122.7	µS/cm	CAAN-16-124887
R-29	1170.0	02/05/2019	WG	Temperature	18.1	deg C	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	Temperature	18.2	deg C	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	Temperature	19.5	deg C	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	Temperature	18.8	deg C	CAAN-17-130479
R-29	1170.0	08/26/2016	WG	Temperature	19.4	deg C	CAAN-16-124887
R-29	1170.0	02/05/2019	WG	Turbidity	4.44	NTU	CAAN-19-166406
R-29	1170.0	03/06/2018	WG	Turbidity	8.71	NTU	CAAN-18-151443
R-29	1170.0	09/22/2017	WG	Turbidity	6.31	NTU	CAAN-17-144826
R-29	1170.0	03/27/2017	WG	Turbidity	7.74	NTU	CAAN-17-130479
R-29	1170.0	08/26/2016	WG	Turbidity	7.74	NTU	CAAN-16-124887
R-30	1140.0	02/06/2019	WG	Dissolved Oxygen	6.92	mg/L	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	Dissolved Oxygen	6.97	mg/L	CAAN-18-151446
R-30	1140.0	09/22/2017	WG	Dissolved Oxygen	7	mg/L	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	Dissolved Oxygen	6.92	mg/L	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	Dissolved Oxygen	6.82	mg/L	CAAN-16-124883
R-30	1140.0	02/06/2019	WG	Flow (in gpm)	5	gal./min	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	Flow (in gpm)	5.45	gal./min	CAAN-18-151446

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Units	Field Sample ID
R-30	1140.0	09/22/2017	WG	Flow (in gpm)	5.7	gal./min	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	Flow (in gpm)	5.38	gal./min	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	Flow (in gpm)	5.45	gal./min	CAAN-16-124883
R-30	1140.0	02/06/2019	WG	Oxidation-Reduction Potential	180.1	mV	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	Oxidation-Reduction Potential	171.4	mV	CAAN-18-151446
R-30	1140.0	09/22/2017	WG	Oxidation-Reduction Potential	292.2	mV	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	Oxidation-Reduction Potential	205.3	mV	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	Oxidation-Reduction Potential	168.7	mV	CAAN-16-124883
R-30	1140.0	02/06/2019	WG	pH	8.16	SU	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	pH	8.08	SU	CAAN-18-151446
R-30	1140.0	09/22/2017	WG	pH	8.1	SU	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	pH	7.89	SU	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	pH	8.2	SU	CAAN-16-124883
R-30	1140.0	02/06/2019	WG	Specific Conductance	116.7	µS/cm	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	Specific Conductance	118	µS/cm	CAAN-18-151446
R-30	1140.0	09/22/2017	WG	Specific Conductance	118.8	µS/cm	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	Specific Conductance	119.1	µS/cm	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	Specific Conductance	119.8	µS/cm	CAAN-16-124883
R-30	1140.0	02/06/2019	WG	Temperature	16	deg C	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	Temperature	19.6	deg C	CAAN-18-151446
R-30	1140.0	09/22/2017	WG	Temperature	20.2	deg C	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	Temperature	19.7	deg C	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	Temperature	20.1	deg C	CAAN-16-124883
R-30	1140.0	02/06/2019	WG	Turbidity	3.53	NTU	CAAN-19-166487
R-30	1140.0	03/07/2018	WG	Turbidity	0.32	NTU	CAAN-18-151446
R-30	1140.0	09/22/2017	WG	Turbidity	0.28	NTU	CAAN-17-144829
R-30	1140.0	03/27/2017	WG	Turbidity	0.65	NTU	CAAN-17-130480
R-30	1140.0	08/26/2016	WG	Turbidity	0.5	NTU	CAAN-16-124883

[a] WG = Groundwater.

[b] mg/L = Milligrams per liter.

[c] gpm = Gallons per minute.

[d] mV = Millivolts.

[e] SU = Standard unit.

[f] µS/cm = Microsiemens per centimeter.

[g] deg C = Degrees Celsius.

[h] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Lab Codes (continued)	
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 Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	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-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0					8.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95		9			0.01	SU	Y	H	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5		0.0415			1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5		0.523			1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45					1.45	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.6			72.9		1.45	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0		5000			68.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	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	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017					0.017	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2					4.2	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3		1720			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0		6			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0		10			2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0		3			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	27.2		2000	38.1		1.0	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9		0.00109			3.9	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3		0.02			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3		0.343			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3		3.43			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0					6.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0		4			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0		0.137			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3		55.6			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0		750			15.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067					0.067	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3		1.34			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3		32.9			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3		7.54			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.6			17.03		0.05	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	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	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.47		250000	2.7		0.067	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3					3.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3		77.6			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3					0.3	µg/L	Y	U	UJ	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3		20.3			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41					0.41	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0		50	7.48		3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0		50			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0		1000			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167		200			0.00167	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5					0.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3		0.05			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3		600			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0		600			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3		7.5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0		7.5			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0		1.25			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3		197			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3		25			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3		7			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0		45.3			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3		14800			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3		612			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3		885			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0		1.52			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0		38.7			5.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0		2.37			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0		0.485			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0		4.59			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0		104			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3		700			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3		802			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3		288			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.268		1600	0.377		0.033	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	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	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	02/08/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.4			67.1		0.453	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0		0.0976			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3		1.39			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0		1.39			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0		0.411			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0		3.28			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0		1000			30.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5		781			3.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5		15			0.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.1			4.18		0.11	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0		200			2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0		5			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3		11.4			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3		35.1			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7					3.7	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13		1000	2.5		0.2	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6		200	2.9		0.6	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.284		10000	0.769		0.017	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0		1.4			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0		0.00167			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0		0.00491			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0		0.0273			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0		0.37			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0		9.81			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0		3.07			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0		1			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205		13.8	0.414		0.05	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3		170			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0		5			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	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	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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.22			2.39		0.05	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-25.4	14.0			47.7		pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3		117			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0		50			2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.9			81.9		0.053	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3		50			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1			16		0.1	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.78	1.0			3.04		pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128.0					1.0	uS/cm	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	49.0			157		1.0	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	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	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.29		600000	4.59		0.133	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0		1.66			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3		10			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6		2			0.6	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5					2.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3		1000			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153.0		1000	161		3.4	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	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	02/08/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33			1.08		0.33	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0365					0.02	mg/L	Y	J	U	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0					2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0		70			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3		200			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3		1140			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0		1170			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0		41.1			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.584		30	1.19		0.067	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	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		0.7150	0.0786		pCi/L	Y		NQ	N3B-2019-887	CAWA-19-166400	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	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.144	0.0213		0.3360	0.0919		pCi/L	Y		J	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.49			11.4		1.0	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3		2			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	4.57		10000			3.3	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166399	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	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	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0					8.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.37		9			0.01	SU	Y	H	NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5		0.0415			1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5		0.523			1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45					1.45	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.0			62		1.45	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0		5000			68.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	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	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0266					0.017	mg/L	Y	J	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.42					4.42	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.316		1720			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0		6			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0		10			2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.16		3			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.37		2000	13.5		1.0	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.11		0.00109			4.11	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.316		0.02			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.316		0.343			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.316		3.43			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.32					6.32	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0		4			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.16		0.137			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.316		55.6			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0		750			15.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067					0.067	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3		1.34			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3		32.9			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3		7.54			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.58			10.7		0.05	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	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	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.22		250000	3.11		0.067	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.47					3.47	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3		77.6			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3					0.3	µg/L	Y	U	UJ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3		20.3			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.432					0.432	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0		50			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0		50			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0		1000			3.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167		200			0.00167	mg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5					0.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3		0.05			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3		600			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.16		600			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3		7.5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.16		7.5			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.16		1.25			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3		197			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3		25			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3		7			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.16		45.3			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.316		14800			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.316		612			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.316		885			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.16		1.52			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.26		38.7			5.26	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.16		2.37			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.16		0.485			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.16		4.59			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.16		104			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3		700			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.316		802			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.316		288			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.153		1600	0.234		0.033	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	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	02/08/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.0	0.803			2.55		pCi/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.4			37.8		0.453	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.16		0.0976			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3		1.39			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.16		1.39			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.16		0.411			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.16		3.28			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.316					0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0		1000			30.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.68		781			3.68	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5		15			0.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.42			3.14		0.11	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0		200			2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0		5			1.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.316		11.4			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.316		35.1			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.89					3.89	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.91		1000	2.9		0.2	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.316		1.65			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6		200	3.65		0.6	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.106		10000	0.459		0.017	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.16		1.4			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.16		0.00167			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.16		0.00491			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.16		0.0273			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.16		0.37			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.16		9.81			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.16		3.07			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.16		1			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.0957		13.8	0.27		0.05	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.316		170			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.16		5			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	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	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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.717			2.35		0.05	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	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	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.316		117			0.316	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0		50			2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.2			75		0.053	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3		50			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.61			18.2		0.1	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	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	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121.0					1.0	uS/cm	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	45.7			59.6		1.0	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	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	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.37		600000	7.1		0.133	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.16		1.66			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3		10			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.16					3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6		2			0.6	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5					2.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3		1000			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	146.0		1000			3.4	mg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	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	02/08/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.33			1.35		0.33	mg/L	Y	J	J	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0262					0.02	mg/L	Y	J	U	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0					2.0	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.16		70			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3		200			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3		1140			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.16		1170			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.16		41.1			3.16	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
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	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.282		30	0.992		0.067	µg/L	Y		NQ	N3B-2019-887	CAWA-19-166403	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		0.477	0.0896		pCi/L	Y		NQ	N3B-2019-887	CAWA-19-166404	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	02/08/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.112	0.0191		0.2010	0.105		pCi/L	Y		NQ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.86			9.29		1.0	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3		2			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	5.35		10000			3.3	µg/L	Y	J	J	N3B-2019-887	CAWA-19-166403	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.538					0.538	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.538					0.538	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	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	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0					8.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07		9			0.01	SU	Y	H	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5		0.0415			1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5		0.523			1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45					1.45	mg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.0			72.9		1.45	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0		5000			68.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	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	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.086					0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.086					0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0644					0.017	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2					4.2	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3		1720			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0		6			1.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0		10			2.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0		3			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	15.0		2000	38.1		1.0	µg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9		0.00109			3.9	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3		0.02			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3		0.343			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3		3.43			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0					6.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0		4			1.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0		0.137			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3		55.6			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0		750			15.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067					0.067	mg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3		1.34			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3		32.9			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3		7.54			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3			17.03		0.05	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	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	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.62		250000	2.7		0.067	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3					3.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3		77.6			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3		20.3			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41					0.41	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0		50	7.48		3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0		50			1.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	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	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0		1000			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167		200			0.00167	mg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5					0.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3		0.05			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3		600			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0		600			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3		7.5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0		7.5			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0		1.25			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3		197			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3		25			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3		7			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0		45.3			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3		14800			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3		612			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3		885			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0		1.52			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.086					0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0		38.7			5.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0		2.37			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.086		2.37			0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0		0.485			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.086		0.485			0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0		4.59			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0		104			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3		700			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3		802			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3		288			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.256		1600	0.377		0.033	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	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	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	02/05/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	39.0			67.1		0.453	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0		0.0976			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3		1.39			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0		1.39			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0		0.411			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0		3.28			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.086		1000			0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0		1000			30.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5		781			3.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5		15			0.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.25			4.18		0.11	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	3.55		200			2.0	µg/L	Y	J	J	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0		5			1.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3		11.4			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3		35.1			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7					3.7	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25		1000	2.5		0.2	µg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	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	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.5		200	2.9		0.6	µg/L	Y	J	J	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.309		10000	0.769		0.017	mg/L	Y		J+	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0		1.4			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrobenzene	98-95-3	N	0.086		1.4			0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0		0.00167			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0		0.00491			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0		0.0273			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0		0.37			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0882					0.0882	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.086					0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.161					0.161	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0		9.81			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0		3.07			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0		1			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.234		13.8	0.414		0.05	µg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	PETN	78-11-5	N	0.108					0.108	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3		170			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0		5			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	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	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0	0.00881			0.0602		pCi/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.12			2.39		0.05	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	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	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3		117			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	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		9.66			0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0		50			2.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.2			81.9		0.053	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3		50			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.5			16		0.1	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	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	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130.0					1.0	uS/cm	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	55.4			157		1.0	µg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	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	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.72		600000	4.59		0.133	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	TATB	3058-38-6	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0		1.66			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3		10			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tetryl	479-45-8	N	0.086					0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6		2			0.6	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5					2.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3		1000			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129.0		1000	161		3.4	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033					0.033	mg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33			1.08		0.33	mg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0359					0.02	mg/L	Y	J	U	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0					2.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0		70			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3		200			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3		1140			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0		1170			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0		41.1			3.0	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.086					0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC

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Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.086		9.8			0.086	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
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	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.436		30	1.19		0.067	µg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	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		0.7150	0.105		pCi/L	Y		NQ	N3B-2019-855	CAAN-19-166407	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	02/05/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.151	0.0258		0.3360	0.122		pCi/L	Y		J	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.08			11.4		1.0	µg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3		2			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3		10000			3.3	µg/L	Y	U	U	N3B-2019-855	CAAN-19-166406	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.532					0.532	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.549					0.549	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.532					0.532	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.549					0.549	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.319					0.319	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.33					0.33	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0					8.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0					8.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14		9			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 CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18		9			0.01	SU	Y	H	NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5		0.0415			1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5		0.0415			1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5		0.523			1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5		0.523			1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45					1.45	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45					1.45	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.0			72.9		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 CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.2			72.9		1.45	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0		5000			68.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0		5000			68.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	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	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0851					0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0879					0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0851					0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0879					0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.52					4.52	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2					4.2	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.323		1720			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3		1720			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0		6			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0		6			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.15		10			2.0	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		10			2.0	µg/L	Y	J	J	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.23		3			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0		3			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	14.1		2000	38.1		1.0	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		2000	38.1		1.0	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.19		0.00109			4.19	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9		0.00109			3.9	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.323		0.02			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3		0.02			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.323		0.343			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3		0.343			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.323		3.43			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3		3.43			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.45					6.45	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0					6.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0		4			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0		4			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.23		0.137			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0		0.137			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.323		55.6			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	Y	0.55		55.6			0.3	µg/L	Y	J	J	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0		750			15.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	N	15.0		750			15.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067					0.067	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067					0.067	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3		1.34			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3		1.34			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3		32.9			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3		32.9			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3		7.54			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3		7.54			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3			17.03		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			17.03		0.05	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	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	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.55		250000	2.7		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 CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.54		250000	2.7		0.067	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.55					3.55	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3					3.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3		77.6			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3		77.6			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3		20.3			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3		20.3			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.441					0.441	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41					0.41	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0		50	7.48		3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0		50	7.48		3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0		50			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0		50			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	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	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0		1000			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0		1000			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167		200			0.00167	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167		200			0.00167	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5					0.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5					0.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3		0.05			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3		0.05			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3		600			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.23		600			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3		600			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0		600			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3		7.5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.23		7.5			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3		7.5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0		7.5			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.23		1.25			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0		1.25			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3		197			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3		197			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3		25			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3		25			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3		7			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3		7			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.23		45.3			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0		45.3			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.323		14800			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3		14800			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.323		612			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3		612			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.323		885			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3		885			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.23		1.52			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0		1.52			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0851					0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0879					0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.38		38.7			5.38	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0		38.7			5.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.23		2.37			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0851		2.37			0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0		2.37			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0879		2.37			0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.23		0.485			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0851		0.485			0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0		0.485			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0879		0.485			0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.23		4.59			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0		4.59			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.23		104			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0		104			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3		700			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3		700			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.323		802			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3		802			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.323		288			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3		288			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.212		1600	0.377		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 CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293		1600	0.377		0.033	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	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	02/06/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.1	0.901			3.0		pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	02/06/2019	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.5			67.1		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			67.1		0.453	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.23		0.0976			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0		0.0976			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3		1.39			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.23		1.39			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3		1.39			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0		1.39			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.23		0.411			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0		0.411			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.23		3.28			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0		3.28			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.0851		1000			0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.0879		1000			0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.323					0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0		1000			30.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0		1000			30.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0					15.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.76		781			3.76	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5		781			3.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5		15			0.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Lead	Pb	N	0.5		15			0.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.13			4.18		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			4.18		0.11	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0		200			2.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0		200			2.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067		2			0.067	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0		5			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0		5			1.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.323		11.4			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3		11.4			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.323		35.1			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3		35.1			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.98					3.98	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7					3.7	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22		1000	2.5		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		1000	2.5		0.2	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.33		1.65			0.3	µg/L	Y	J	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.323		1.65			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3		1.65			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	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	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6		200	2.9		0.6	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6		200	2.9		0.6	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.333		10000	0.769		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 CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.326		10000	0.769		0.017	mg/L	Y		J+	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.23		1.4			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0851		1.4			0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0		1.4			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0879		1.4			0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.23		0.00167			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0		0.00167			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.23		0.00491			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0		0.00491			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.23		0.0273			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0		0.0273			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.23		0.37			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0		0.37			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0872					0.0872	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0901					0.0901	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0851					0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0879					0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.16					0.16	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.165					0.165	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.23		9.81			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0		9.81			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.23		3.07			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0		3.07			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.23		1			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0		1			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.237		13.8	0.414		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 PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205		13.8	0.414		0.05	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	PETN	78-11-5	N	0.106					0.106	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	PETN	78-11-5	N	0.11					0.11	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.323		170			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3		170			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.23		5			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0		5			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	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	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	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.2			2.39		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			2.39		0.05	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	16.3	21.0			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	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.323		117			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3		117			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	RDX	121-82-4	N	0.0851		9.66			0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	RDX	121-82-4	N	0.0879		9.66			0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0		50			2.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	2.0		50			2.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.4			81.9		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			81.9		0.053	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3		50			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Silver	Ag	N	0.3		50			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.0			16		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			16		0.1	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	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	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119.0					1.0	uS/cm	Y		NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120.0					1.0	uS/cm	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.6			157		1.0	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			157		1.0	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	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	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3		100			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.49		600000	4.59		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 CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.52		600000	4.59		0.133	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	TATB	3058-38-6	N	0.319					0.319	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	TATB	3058-38-6	N	0.33					0.33	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0						deg C	Y		NQ	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.23		1.66			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0		1.66			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3		10			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3		10			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.23					3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0					3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tetryl	479-45-8	N	0.0851					0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tetryl	479-45-8	N	0.0879					0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6		2			0.6	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6		2			0.6	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5					2.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5					2.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3		1000			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3		1000			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129.0		1000	161		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 CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	211.0		1000	161		3.4	mg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033					0.033	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033					0.033	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33			1.08		0.33	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33			1.08		0.33	mg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0					2.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0					2.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	Screening Value	Background	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.23		70			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3		70			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0		70			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3		200			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3		200			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3		5			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3		1140			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3		1140			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.23		1170			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0		1170			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.23		41.1			3.23	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0		41.1			3.0	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3					0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0851					0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0879					0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0851		9.8			0.0851	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0879		9.8			0.0879	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.319					0.319	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.33					0.33	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
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	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.509		30	1.19		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		30	1.19		0.067	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	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		0.7150	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		0.7150	0.164		pCi/L	Y		NQ	N3B-2019-860	CAAN-19-166487	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	02/06/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.167	0.0335		0.3360	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		0.3360	0.191		pCi/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.67			11.4		1.0	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			11.4		1.0	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5					1.5	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3		2			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3		2			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3		193			0.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3		10000			3.3	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3		10000			3.3	µg/L	Y	U	U	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	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.95			0.01	SU	Y	H	NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92			0.01	SU	Y	H	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06			0.01	SU	Y	H	NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97			0.01	SU	Y	H	NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.9			0.01	SU	Y	H	NQ	2015-772	CAWA-15-91368	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9			0.725	mg/L	Y		NQ	2016-929	CAWA-16-110783	GELC
R-27	852.0	03/18/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	56.5			0.725	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0058	0.00916	0.0412		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	26.7			1	µg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.3			0.05	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.12	1.25	4.72		pCi/L	Y	U	U	2015-772	CAWA-15-91341	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.52			0.067	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.39	1.26	5.64		pCi/L	Y	U	U	2015-772	CAWA-15-91341	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.192			0.033	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.42	0.821	2.68		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.161	0.753	2.64		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.4			0.453	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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
R-27	852.0	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.05			0.11	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.03			0.165	µg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.51	3.4	12.1		pCi/L	Y	U	U	2015-772	CAWA-15-91341	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.286			0.017	mg/L	Y		NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.272			0.017	mg/L	Y		NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.285			0.017	mg/L	Y		NQ	2015-772	CAWA-15-91368	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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	03/09/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.214			0.05	µg/L	Y		NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.211			0.05	µg/L	Y		NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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 PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.203			0.05	µg/L	Y		NQ	2016-929	CAWA-16-110700	GELC
R-27	852.0	02/06/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.197			0.05	µg/L	Y	J	J	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00706	0.00623	0.0414		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0118	0.00706	0.0465		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	03/18/2016	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
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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.21			0.05	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.8	21.9	56.7		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.5			0.053	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.76			0.1	mg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.03	1.47	5.27		pCi/L	Y	U	U	2015-772	CAWA-15-91341	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120			1	µS/cm	Y		NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123			1	µS/cm	Y		NQ	2017-1265	CAWA-17-130483	GELC
R-27	852.0	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	111			3.63	µS/cm	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.7			1	µg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.206	0.089	0.364		pCi/L	Y	U	U	2015-772	CAWA-15-91341	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.29			0.133	mg/L	Y		NQ	2015-772	CAWA-15-91368	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-887	CAWA-19-166399	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-887	CAWA-19-166400	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114			3.4	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	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	82.9			3.4	mg/L	Y		NQ	2015-772	CAWA-15-91368	GELC
R-27	852.0	02/08/2019	WG	UF	INIT	REG	RAD	m	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	03/09/2018	WG	UF	INIT	REG	RAD	m	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	03/24/2017	WG	UF	INIT	REG	RAD	m	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	03/18/2016	WG	UF	INIT	FD	RAD	m	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	m	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	02/06/2015	WG	UF	INIT	REG	RAD	m	Tritium	H-3	N	2.087	0.746	2.157		pCi/L	Y	U	U	2015-789	CAWA-15-91341	ARSL
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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.511			0.067	µg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.331	0.0278	0.102		pCi/L	Y		NQ	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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
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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0428	0.0114	0.0454		pCi/L	Y	U	U	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.171	0.0204	0.0427		pCi/L	Y		NQ	2015-772	CAWA-15-91341	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.39			1	µg/L	Y		NQ	2015-772	CAWA-15-91368	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10			3.3	µg/L	Y	U	U	2015-772	CAWA-15-91368	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.38			0.01	SU	Y	H	NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.59			0.01	SU	Y	H	NQ	2016-929	CAWA-16-110784	GELC
R-27i	619.0	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.81			0.01	SU	Y	H	NQ	2015-772	CAWA-15-91369	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	47.5			0.725	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00606	0.0352		pCi/L	Y	U	U	2015-772	CAWA-15-91342	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	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	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.35			1	µg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	8.79			0.05	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.62	1.34	3.92		pCi/L	Y	U	U	2015-772	CAWA-15-91342	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.28			0.067	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.778	1.16	4.98		pCi/L	Y	U	U	2015-772	CAWA-15-91342	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.171			0.033	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.474	0.791	2.92		pCi/L	Y	U	U	2015-772	CAWA-15-91342	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	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	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
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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.716	0.806	2.74		pCi/L	Y	U	U	2015-772	CAWA-15-91342	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.2			0.453	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.5			0.11	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54			0.165	µg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.967	3.07	10.9		pCi/L	Y	U	U	2015-772	CAWA-15-91342	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.112			0.017	mg/L	Y		NQ	2016-929	CAWA-16-110784	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.107			0.017	mg/L	Y		NQ	2015-772	CAWA-15-91369	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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	03/09/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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	03/24/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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	03/18/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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	02/06/2015	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.112			0.05	µg/L	Y	J	J	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00593	0.0369		pCi/L	Y	U	U	2015-772	CAWA-15-91342	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00629	0.00629	0.0414		pCi/L	Y	U	U	2015-772	CAWA-15-91342	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	0.673			0.05	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.8	28.6	64.2		pCi/L	Y	U	U	2015-772	CAWA-15-91342	GELC
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	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
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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.6			0.053	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	9.76			0.1	mg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.18	1.5	5.52		pCi/L	Y	U	U	2015-772	CAWA-15-91342	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104			1	µS/cm	Y		NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108			1	µS/cm	Y		NQ	2017-1265	CAWA-17-130484	GELC
R-27i	619.0	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	97.3			3.63	µS/cm	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	46.8			1	µg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.135	0.139	0.477		pCi/L	Y	U	U	2015-772	CAWA-15-91342	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.74			0.133	mg/L	Y		NQ	2015-772	CAWA-15-91369	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-887	CAWA-19-166403	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	02/08/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/24/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/18/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	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	02/06/2015	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	82.9			3.4	mg/L	Y		NQ	2015-772	CAWA-15-91369	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.33			0.33	mg/L	Y	J	J	N3B-2019-887	CAWA-19-166404	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33			0.33	mg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/24/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.331			0.33	mg/L	Y	J	J	2017-1265	CAWA-17-130486	GELC
R-27i	619.0	03/18/2016	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1			0.33	mg/L	Y	U	U	2016-929	CAWA-16-110753	GELC
R-27i	619.0	02/06/2015	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.404			0.33	mg/L	Y	J	J	2015-772	CAWA-15-91342	GELC
R-27i	619.0	02/08/2019	WG	UF	INIT	REG	RAD	m	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	03/09/2018	WG	UF	INIT	REG	RAD	m	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	03/24/2017	WG	UF	INIT	REG	RAD	m	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	03/18/2016	WG	UF	INIT	REG	RAD	m	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	02/06/2015	WG	UF	INIT	REG	RAD	m	Tritium	H-3	N	0.833	0.666	2.17		pCi/L	Y	U	U	2015-789	CAWA-15-91342	ARSL
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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.249			0.067	µg/L	Y		NQ	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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
R-27i	619.0	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.193	0.0205	0.0916		pCi/L	Y		NQ	2015-772	CAWA-15-91342	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00723	0.00799	0.0409		pCi/L	Y	U	U	2015-772	CAWA-15-91342	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	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	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	03/18/2016	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	02/06/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0877	0.0139	0.0385		pCi/L	Y		J	2015-772	CAWA-15-91342	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.62			1	µg/L	Y	J	J	2015-772	CAWA-15-91369	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	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	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	03/18/2016	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	02/06/2015	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	10			3.3	µg/L	Y	U	U	2015-772	CAWA-15-91369	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07			0.01	SU	Y	H	NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04			0.01	SU	Y	H	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01			0.01	SU	Y	H	NQ	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99			0.01	SU	Y	H	NQ	2016-2218	CAAN-16-124889	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2			1.45	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0215	0.0104	0.0393		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0644			0.017	mg/L	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.206			0.017	mg/L	Y		J+	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.048			0.017	mg/L	Y	J	U	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0248			0.017	mg/L	Y	J	J	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0687			0.017	mg/L	Y		U	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0256			0.017	mg/L	Y	J	U	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.139			0.017	mg/L	Y		U	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	16			1	µg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.72			0.05	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.137	1.06	4		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.71			0.067	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.31	0.913	2.12		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.142			0.033	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	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/27/2017	WG	F	INIT	FD	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.138			0.033	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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
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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.326	0.521	1.87		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.289	0.693	2.54		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.2			0.453	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.65			0.11	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	5.78			2	µg/L	Y	J	J	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.3			0.3	µg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.5	2.21	8.83		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.5			0.6	µg/L	Y	J	J	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.697			0.6	µg/L	Y	J	J	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.725			0.6	µg/L	Y	J	J	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6			0.6	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.902			0.5	µg/L	Y	J	U	2017-1277	CAAN-17-130477	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	0.872			0.5	µg/L	Y	J	U	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2			0.5	µg/L	Y	U	U	2016-2218	CAAN-16-124889	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.425			0.017	mg/L	Y		NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	FD	GENERAL CHEMISTRY	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.274			0.017	mg/L	Y		NQ	2016-2218	CAAN-16-124889	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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	03/06/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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 PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.23			0.05	µg/L	Y		NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.245			0.05	µg/L	Y		NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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 PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.228			0.05	µg/L	Y		NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	08/26/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.234			0.05	µg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.014	0.0183	0.0491		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0079	0.0616		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.35			0.05	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.52	16.3	67.3		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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
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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.2			0.053	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.6			0.1	mg/L	Y		NQ	2016-2218	CAAN-16-124889	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.29	1.14	5		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126			1	µS/cm	Y		NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131			1	µS/cm	Y		NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124			1	µS/cm	Y		NQ	2017-1277	CAAN-17-130540	GELC
R-29	1170.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108			3.63	µS/cm	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.6			1	µg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.176	0.1	0.35		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.32			0.133	mg/L	Y		NQ	2016-2218	CAAN-16-124889	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-855	CAAN-19-166406	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-855	CAAN-19-166407	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	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	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	2018-2089	CAAN-18-151451	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	VOC	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	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	2018-2089	CAAN-18-151450	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1				deg C	Y		NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1				deg C	Y		NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	02/05/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127			3.4	mg/L	Y		NQ	2016-2218	CAAN-16-124889	GELC
R-29	1170.0	02/05/2019	WG	UF	INIT	REG	RAD	m	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	03/06/2018	WG	UF	INIT	REG	RAD	m	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	m	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	09/22/2017	WG	UF	INIT	REG	RAD	m	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	03/27/2017	WG	UF	INIT	REG	RAD	m	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	m	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	08/26/2016	WG	UF	INIT	REG	RAD	m	Tritium	H-3	N	-1.433	0.764	2.602		pCi/L	Y	U	U	2016-2325	CAAN-16-124887	ARSL
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	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	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	03/27/2017	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.422			0.067	µg/L	Y		NQ	2016-2218	CAAN-16-124889	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.226	0.0235	0.0824		pCi/L	Y		NQ	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0137	0.00725	0.079		pCi/L	Y	U	U	2016-2218	CAAN-16-124887	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.157	0.0202	0.0823		pCi/L	Y		NQ	2016-2218	CAAN-16-124887	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	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	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
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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.18			1	µg/L	Y		NQ	2016-2218	CAAN-16-124889	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14			0.01	SU	Y	H	NQ	N3B-2019-860	CAAN-19-166413	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	FD	GENERAL CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12			0.01	SU	Y	H	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.1			0.01	SU	Y	H	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17			0.01	SU	Y	H	NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.97			0.01	SU	Y	H	NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94			0.01	SU	Y	H	NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.2			1.45	mg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.2			1.45	mg/L	Y		NQ	2016-2218	CAAN-16-124890	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0203	0.0095	0.0417		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00933	0.0128	0.051		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0195			0.017	mg/L	Y	J	U	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0932			0.017	mg/L	Y		U	2016-2218	CAAN-16-124890	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	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.78			1.7	µg/L	Y	J	J	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	Y	1.83			1.7	µg/L	Y	J	J	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.3			1	µg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	13.1			1	µg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.323			0.323	µg/L	Y	U	U	N3B-2019-860	CAAN-19-166417	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	Y	0.55			0.3	µg/L	Y	J	J	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.316			0.316	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	3.13			3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/27/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	10.2			3.06	µg/L	Y	U	U	2017-1277	CAAN-17-130480	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	10.3			3.09	µg/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	10.4			3.13	µg/L	Y	U	U	2016-2218	CAAN-16-124888	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.24			0.05	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	9.12			0.05	mg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	1.69	5.92		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.81	2.04	4.41		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.61			0.067	mg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.61			0.067	mg/L	Y		NQ	2016-2218	CAAN-16-124890	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.843	1.43	5.11		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.271	1.1	3.43		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.142			0.033	mg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143			0.033	mg/L	Y		NQ	2016-2218	CAAN-16-124890	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0401	0.293	1.03		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-1.16	0.423	1.61		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	6.5	1.01	2.53		pCi/L	Y		NQ	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.606	0.719	2.47		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.4			0.453	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34			0.453	mg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.75			0.11	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.73			0.11	mg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2			0.3	µg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.22			0.3	µg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.28	4.85	11.1		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.4	2.19	6.86		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.316			0.017	mg/L	Y		NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.292			0.017	mg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.29			0.017	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	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 PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.205			0.05	µg/L	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.247			0.05	µg/L	Y		NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.262			0.05	µg/L	Y		NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.259			0.05	µg/L	Y		NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.218			0.05	µg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.225			0.05	µg/L	Y		NQ	2016-2218	CAAN-16-124890	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0107	0.0593		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00284	0.00852	0.0499		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00674	0.00953	0.0744		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00284	0.00942	0.0627		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.24			0.05	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	1.27			0.05	mg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	19.5	21.9	55.1		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.7	14.7	60.5		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.6			0.053	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	65.2			0.053	mg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4			0.1	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.4			0.1	mg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.49	1.41	5.21		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.896	1.16	4.15		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119			1	µS/cm	Y		NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129			1	µS/cm	Y		NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121			1	µS/cm	Y		NQ	2017-1277	CAAN-17-130478	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	107			3.63	µS/cm	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	105			3.63	µS/cm	Y		NQ	2016-2218	CAAN-16-124890	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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.2			1	µg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	47.5			1	µg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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
R-30	1140.0	08/26/2016	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0665	0.128	0.484		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0116	0.0595	0.204		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.65			0.133	mg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.62			0.133	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	VOC	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	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-860	CAAN-19-166416	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	VOC	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	VOC	EPA:170.0	Temperature	TEMP	Y	2				deg C	Y		NQ	N3B-2019-860	CAAN-19-166487	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4				deg C	Y		NQ	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4				deg C	Y		NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1				deg C	Y		NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1				deg C	Y		NQ	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	02/06/2019	WG	F	INIT	REG	GENERAL CHEMISTRY	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 CHEMISTRY	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	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	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	03/27/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	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	08/26/2016	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116			3.4	mg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	107			3.4	mg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	02/06/2019	WG	UF	INIT	FD	RAD	m	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	m	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	03/07/2018	WG	UF	INIT	REG	RAD	m	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	09/22/2017	WG	UF	INIT	REG	RAD	m	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	03/27/2017	WG	UF	INIT	REG	RAD	m	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	08/26/2016	WG	UF	INIT	REG	RAD	m	Tritium	H-3	N	-0.828	0.576	1.974		pCi/L	Y	U	U	2016-2325	CAAN-16-124888	ARSL
R-30	1140.0	08/26/2016	WG	UF	INIT	FD	RAD	m	Tritium	H-3	N	0.024	0.581	1.978		pCi/L	Y	U	U	2016-2325	CAAN-16-124883	ARSL
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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.488			0.067	µg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.53			0.067	µg/L	Y		NQ	2016-2218	CAAN-16-124884	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.338	0.0283	0.0801		pCi/L	Y		NQ	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.295	0.0254	0.0773		pCi/L	Y		NQ	2016-2218	CAAN-16-124888	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	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	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	03/27/2017	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	08/26/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0106	0.00652	0.0767		pCi/L	Y	U	U	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.018	0.00926	0.074		pCi/L	Y	U	U	2016-2218	CAAN-16-124888	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	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	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
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	08/26/2016	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.198	0.0213	0.08		pCi/L	Y		NQ	2016-2218	CAAN-16-124883	GELC
R-30	1140.0	08/26/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.158	0.0186	0.0772		pCi/L	Y		NQ	2016-2218	CAAN-16-124888	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

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

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value	Lab Qual	2nd Qual	Request	Sample	Lab
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	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	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	03/27/2017	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	08/26/2016	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.35			1	µg/L	Y		NQ	2016-2218	CAAN-16-124890	GELC
R-30	1140.0	08/26/2016	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	6.37			1	µg/L	Y		NQ	2016-2218	CAAN-16-124884	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Values

There are no results for this periodic monitoring report.

Appendix E

Analytical Chemistry Graphs of Screening-Value Exceedances

There are no results for this periodic monitoring report.

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
N3B-2019-855	Inorganic	GELC[a]	CAAN-19-166406	02/05/2019	R-29	1170.000	1180.000
N3B-2019-855	Inorganic	GELC	CAAN-19-166407	02/05/2019	R-29	1170.000	1180.000
N3B-2019-855	Organic	GELC	CAAN-19-166407	02/05/2019	R-29	1170.000	1180.000
N3B-2019-855	Rad[b]	GELC	CAAN-19-166407	02/05/2019	R-29	1170.000	1180.000
N3B-2019-860	Inorganic	GELC	CAAN-19-166413	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Inorganic	GELC	CAAN-19-166416	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Inorganic	GELC	CAAN-19-166417	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Inorganic	GELC	CAAN-19-166487	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Organic	GELC	CAAN-19-166417	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Organic	GELC	CAAN-19-166487	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Rad	GELC	CAAN-19-166417	02/06/2019	R-30	1140.000	1160.900
N3B-2019-860	Rad	GELC	CAAN-19-166487	02/06/2019	R-30	1140.000	1160.900
N3B-2019-872	Rad	ARSL[c]	CAAN-19-166407	02/05/2019	R-29	1170.000	1180.000
N3B-2019-872	Rad	ARSL	CAAN-19-166417	02/06/2019	R-30	1140.000	1160.900
N3B-2019-872	Rad	ARSL	CAAN-19-166487	02/06/2019	R-30	1140.000	1160.900
N3B-2019-887	Inorganic	GELC	CAWA-19-166399	02/08/2019	R-27	852.000	875.000
N3B-2019-887	Inorganic	GELC	CAWA-19-166400	02/08/2019	R-27	852.000	875.000
N3B-2019-887	Inorganic	GELC	CAWA-19-166403	02/08/2019	R-27i	619.000	629.000
N3B-2019-887	Inorganic	GELC	CAWA-19-166404	02/08/2019	R-27i	619.000	629.000
N3B-2019-887	Organic	GELC	CAWA-19-166400	02/08/2019	R-27	852.000	875.000
N3B-2019-887	Organic	GELC	CAWA-19-166404	02/08/2019	R-27i	619.000	629.000
N3B-2019-887	Rad	GELC	CAWA-19-166400	02/08/2019	R-27	852.000	875.000
N3B-2019-887	Rad	GELC	CAWA-19-166404	02/08/2019	R-27i	619.000	629.000
N3B-2019-925	Rad	ARSL	CAWA-19-166400	02/08/2019	R-27	852.000	875.000
N3B-2019-925	Rad	ARSL	CAWA-19-166404	02/08/2019	R-27i	619.000	629.000

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

[b] Rad = Radiochemistry (not gamma).

[c] ARSL = American Radiation Services, Inc.