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Date: **AUG 30 2018**
Refer To: N3B-18-0182

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

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

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the annual periodic monitoring reports (PMRs) for the Technical Area 16 (TA-16) 260 and Material Disposal Area (MDA) AB monitoring groups. The TA-16 260 PMR includes results from the sampling campaigns performed during the third and fourth quarters of monitoring year 2017 and the first and second quarters of monitoring year 2018. The MDA AB PMR includes results from sampling campaigns performed during the fourth quarter of monitoring year 2017 and second quarter of monitoring year 2018.

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

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

Sincerely,

Joseph A. Legare
Program Manager
Environmental Remediation Program

Sincerely,

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

JL/DR/SV/HS

Enclosure(s): Two hard copies with electronic files

1. Annual Periodic Monitoring Report for the Technical Area 16 260 Monitoring Group (EM2018-0026)
2. Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group (EM2018-0027)

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August 2018
EM2018-0027

Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group



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

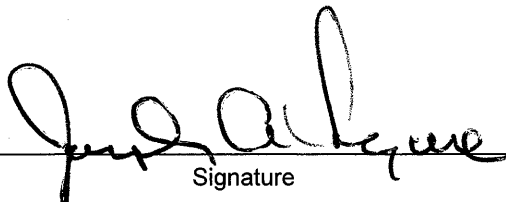
Annual Periodic Monitoring Report for the Material Disposal Area AB Monitoring Group

August 2018

Responsible program director:

Bruce Robinson		Program Director	Water Program	8/23/2018
Printed Name	Signature	Title	Organization	Date

Responsible N3B representative:

Joseph A. Legare		Program Manager	N3B Environmental Remediation Program	8/23/18
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Responsible DOE-EM-LA representative:

David S. Rhodes		Office Director	Quality and Regulatory Compliance	8-30-2018
Printed Name	Signature	Title	Organization	Date

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 2017 Monitoring Year, October 2016–September 2017” and the “Interim Facility-Wide Groundwater Monitoring Plan for the 2018 Monitoring Year, October 2017–September 2018,” both prepared in accordance with the Compliance Order on Consent.

This PMR presents monitoring results for two periodic monitoring events (PMEs) conducted during the fourth quarter of monitoring year (MY) 2017 and the second quarter of MY2018 and includes the monitoring of groundwater well or well screen locations. There are no surface-water monitoring locations in the MDA AB monitoring group. This PMR also includes any results from earlier MDA AB monitoring group PMEs that have not yet been reported because validated laboratory data were not available (in some cases because of data release agreements).

Groundwater samples collected during the PMEs were analyzed for metals; volatile organic compounds; semivolatile organic compounds; explosive compounds; radionuclides, including low-level tritium; general inorganic chemicals, including perchlorate; and field parameters (dissolved oxygen, 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

BCG	Biota Concentration Guide (DOE)
CFR	Code of Federal Regulations (U.S.)
Consent Order	Compliance Order on Consent
DCS	Derived Concentration Technical Standard (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
gpm	gallons per minute
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
MY	monitoring year
N	no (best value flag code)
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
PME	periodic monitoring event
PMR	periodic monitoring report
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
TA	technical area
TNT	2,4,6-trinitrotoluene
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 events (PMEs) conducted by Los Alamos National Laboratory (LANL or the Laboratory):

Watersheds	PMEs Reported in this PMR		PME Field Sampling	
	MY*	Quarter	Begin	End
Ancho	2017	4	09/22/17	09/22/17
Water	2018	2	03/06/18	03/09/18

*MY = Monitoring year.

The annual PMR for the MDA AB monitoring group is submitted to the New Mexico Environment Department (NMED) every August and includes MDA AB monitoring group PME's performed through the second quarter of MY2018. During the third quarter of fiscal year 2018, environmental remediation work transitioned from the Laboratory, under the U.S. Department of Energy (DOE) National Nuclear Security Administration, to Newport News Nuclear BWXT – Los Alamos, LLC (N3B) under the DOE Office of Environmental Management.

Monitoring was conducted pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2017 Monitoring Year, October 2016–September 2017” (2016 IFGMP) (LANL 2016, 601506) and the “Interim Facility-Wide Groundwater Monitoring Plan for the 2018 Monitoring Year, October 2017–September 2018” (2018 IFGMP) (LANL 2017, 602406), both prepared in accordance with the Compliance Order on Consent (the Consent Order). The PME's noted above included sampling of groundwater well (or well screen) locations.

This report also includes any results from previous MDA AB monitoring group PME's that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of a PME are also included in this report.

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. New Mexico Water Quality Control Commission (NMWQCC) groundwater standards, U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), NMED screening levels for tap water, and EPA regional screening levels for tap water are used to establish a set of screening values for evaluating IFGMP monitoring data. If contaminants are present at concentrations above screening values, additional risk evaluation is required to determine the potential need for cleanup (corrective action).

This report presents the following information:

- general background information on the 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 DOE policy.

1.1 Background

At MDA AB, groundwater monitoring is conducted to support the corrective measures process for solid waste management units and areas of concern 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 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: isotopes of uranium and plutonium, lead, and beryllium; high explosives such as TNT (2,4,6-trinitrotoluene), RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine), and HMX (octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine); and barium nitrate. Much of this material remains in shafts on the mesa top. Further information about activities and solid waste management units and areas of concern at TA-49 can be found in recent Laboratory reports (LANL 2016, 601698; LANL 2016, 601699).

2.0 SCOPE OF ACTIVITIES

The PME's for the MDA AB monitoring group were conducted pursuant to the 2017 IFGMP (LANL 2016, 601506) and the 2018 IFGMP (LANL 2017, 602406).

Table 2.0-1 provides the name, watershed, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge or flow rate for each of the planned monitoring locations. These locations are shown in Figure 2.0-1.

3.0 REGULATORY CRITERIA

Regulatory criteria related to groundwater water quality form the basis for the screening values to which groundwater monitoring results are compared in this PMR. These criteria include the NMWQCC groundwater standards, EPA MCLs, NMED screening levels for tap water, and EPA regional screening levels for tap water. These criteria are used to screen results in accordance with the process specified in Section I.X of the Consent Order and are listed in Table 3.0-1. This screening process is described in more detail in section 5.2.

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 2017 IFGMP (LANL 2016, 601506) and 2018 IFGMP (LANL 2017, 602406).

4.2 Field Parameter Results

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

4.3 Groundwater Elevations

The groundwater level is measured at each groundwater monitoring location before purging and sampling that location as required by the Consent Order. Section 4.4 notes any instances where this requirement could not be met.

In addition to collecting groundwater-level data before purging and sampling, the Laboratory has 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:

- Dry well
- Well not equipped with a pressure (level) transducer
- Water level below transducer
- Transducer not functioning properly (including failure)
- Transducer temporarily removed from well for maintenance and/or calibration

Groundwater-level data for the previous 2 yr are presented in Appendix B (on CD included with this document). For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements were recorded immediately before sampling. The groundwater-elevation measurements are shown graphically in Figure 4.3-1.

4.4 Deviations from Planned Scope

Table 4.4-1 summarizes the deviations from the planned monitoring scope that were experienced while conducting the work associated with the monitoring data reported in this PMR.

Table 4.4-2 presents a list of analytes with method detection limits (MDLs) greater than screening values. Some of the analytes were measured using more than one analytical method, leading to a range of MDLs. This table applies to the results with the lowest MDL, so the analytical method and analytical laboratory are included in the table for reference.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform PME analytical activities are documented in the 2017 IFGMP (LANL 2016, 601506) and the 2018 IFGMP (LANL 2017, 602406). Purge water is managed and characterized in accordance with the waste characterization strategy form associated with the well and the “Land Application of Groundwater” procedure. The “Land Application of Groundwater” procedure implements the NMED-approved decision tree for land application of drilling, development, rehabilitation, and purge water.

All sampling, data reviews, and data package validations were conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance program. N3B has transferred ownership of all applicable procedures and is operating to them. Completed chain-of-custody forms serve as analytical request forms and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each required analysis.

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

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

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

After the analytical laboratory submits data packages, the packages receive in-house secondary validation. As a result of secondary validation, a second set of qualifiers was assigned to the analytical results. Secondary validation is currently done by an automated process after the data are loaded.

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

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

5.2 Analytical Data

Appendix C presents the analytical data for the two PMEs reported in this PMR and from the four sampling events at these locations immediately before these PMEs. The analytical laboratory reports (including chain-of-custody forms and data validation forms) are provided in Appendix F (on CD included with this document).

Appendix C contains all data collected during the PME's (i.e., all data that have been independently reviewed for conformance with Laboratory requirements) with the following constraints:

- All data
 - ❖ Data that are R-qualified (rejected because of noncompliance regarding QC acceptance criteria) during independent validation are considered unusable but are still reported.
 - ❖ Analytical laboratory QC results, including matrix spike and matrix spike duplicates, and field blanks, trip blanks, and equipment blanks are not included in the data set.
 - ❖ Field duplicates, reanalyses, and results from different analytical methods are reported.
- Radionuclides
 - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
 - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
 - ❖ Other than above, all results are reported at all locations.
- Nonradionuclides
 - ❖ All detected results are reported.

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

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.

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

If an NMWQCC groundwater standard or an MCL has not been established for a specific substance for which toxicological information is published, the NMED screening level for tap water is used as the groundwater screening value. The NMED screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the screening levels are based on a 10^{-5} excess cancer risk. This report was prepared using the March 2017 NMED screening levels for tap water.

If an 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 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 for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used in the screening process. This report was prepared using the November 2017 EPA regional screening levels for tap water.

- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.
- The analytical results for radionuclides and radioactivity are voluntarily compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Technical Standards (DCSs) for groundwater but are not reported in Table 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 4.2-2 provides groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above screening values. Multiple detections are included in the table except for field duplicate exceedances. For example, if aluminum was detected above its screening value in both a primary sample and a field duplicate, only the primary sample result is shown. If aluminum was detected above its screening value in two primary samples, both results are shown. As noted in Table 5.2-1, there were no locations where an analyte was above its screening value for the data reported in this PMR.

For the data reported in this PMR, no analytes exceeded their screening values at more than one sampling location, so no figures showing analyte concentrations are presented 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: data reported in this PMR plus data for the three 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 $\mu\text{g/L}$ per 2016 Consent Order data screening requirements, is greater than the former perchlorate screening value of 4 $\mu\text{g/L}$, 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 three 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 4.4-1 summarizes the deviations from the planned monitoring scope that were experienced while conducting the work associated with the monitoring data reported in this PMR.

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

LANL (Los Alamos National Laboratory), May 1988. "Environmental Surveillance at Los Alamos During 1987," Los Alamos National Laboratory report LA-11306-ENV, Los Alamos, New Mexico. (LANL 1988, 223036)

- LANL (Los Alamos National Laboratory), May 2016. "Interim Facility-Wide Groundwater Monitoring Plan for the 2017 Monitoring Year, October 2016–September 2017," Los Alamos National Laboratory document LA-UR-16-23408, Los Alamos, New Mexico. (LANL 2016, 601506)
- LANL (Los Alamos National Laboratory), August 2016. "Supplemental Investigation Report for Sites at Technical Area 49 Outside the Nuclear Environmental Site Boundary," Los Alamos National Laboratory document LA-UR-16-25264, Los Alamos, New Mexico. (LANL 2016, 601698)
- LANL (Los Alamos National Laboratory), August 2016. "Supplemental Investigation Report for Sites at Technical Area 49 Inside the Nuclear Environmental Site Boundary," Los Alamos National Laboratory document LA-UR-16-25263, Los Alamos, New Mexico. (LANL 2016, 601699)
- LANL (Los Alamos National Laboratory), May 2017. "Interim Facility-Wide Groundwater Monitoring Plan for the 2018 Monitoring Year, October 2017–September 2018," Los Alamos National Laboratory document LA-UR-17-24070, Los Alamos, New Mexico. (LANL 2017, 602406)
- NMED (New Mexico Environment Department), March 2017. "Risk Assessment Guidance for Site Investigations and Remediation, Volume I Soil Screening Guidance for Human Health Risk Assessments," New Mexico Environment Department, Hazardous Waste Bureau, Santa Fe, New Mexico. (NMED 2017, 602273)
- 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)

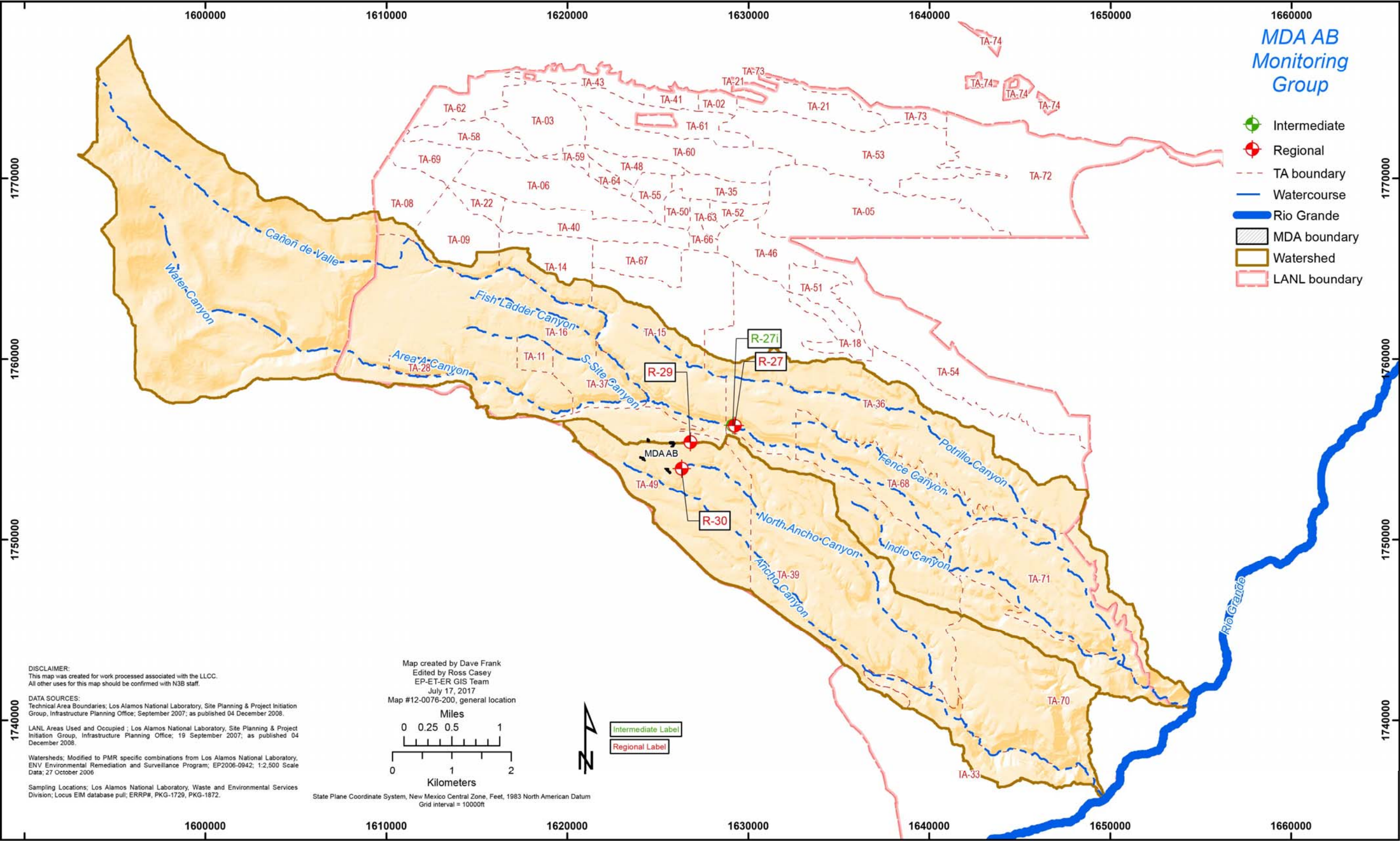


Figure 2.0-1 MDA AB monitoring group locations (see Table 2.0-1)

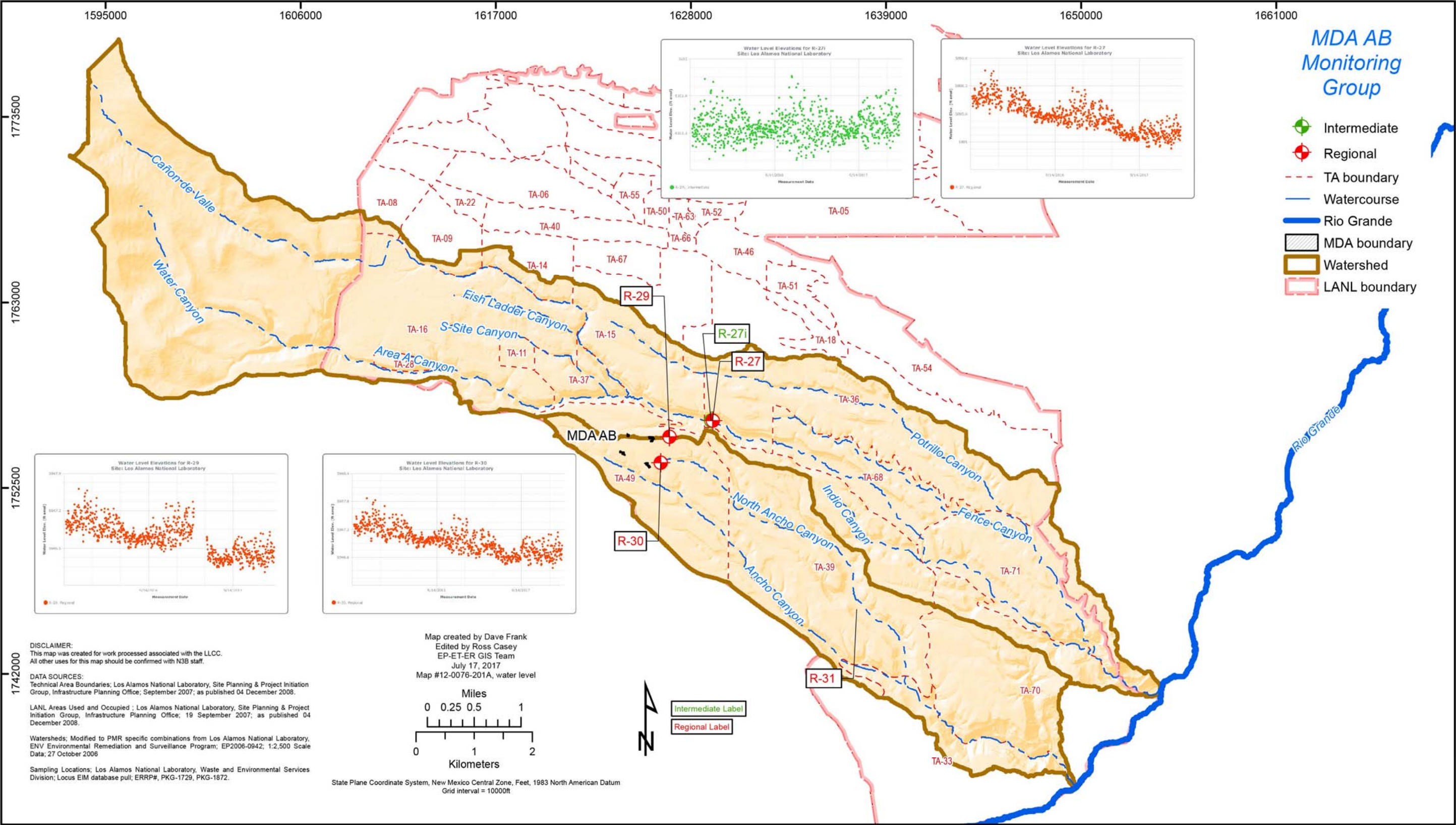


Figure 4.3-1 Groundwater elevations

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	2018	2	03/09/17	10	619	629	13.9	42.8	0.57
Regional										
R-29	Ancho	2017	4	09/22/17	10	1170	1180	39.1	185	7.69
R-30	Ancho			09/22/17	20.9	1140	1160.9	46.6	142	5.7
R-27	Water	2018	2	03/09/18	23	852	875	49.8	162	4.05
R-29	Ancho			03/06/18	10	1170	1180	38.8	202	7.5
R-30	Ancho			03/07/18	20.9	1140	1160.9	47.5	147	5.45

* gpm = Gallons per minute.

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

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 458.1	DOE BCG	n/a ^a	X ^b
DOE Order 458.1	DOE 100-mrem Public Dose DCS	X	n/a
DOE Order 458.1	DOE 4-mrem Drinking Water DCS	X	n/a
40 CFR ^c 141	EPA MCL	X	n/a
NMED Screening Levels ^d	Screening Levels for Tap Water	X	n/a
EPA Regional Screening Levels ^e	Screening Levels for Tap Water	X	n/a
20 NMAC 6.2.3103	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4.900.C	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4.900.F	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4.900.G	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Acute	n/a	X ^{f, g}
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Standards Chronic	n/a	X ^{f, g}
20 NMAC 6.4.900.H	NMWQCC Aquatic Life Human Health Standard	n/a	X

^a n/a = Not applicable.

^b X = Applied to data screen for this report.

^c CFR = Code of Federal Regulations.

^d Reference: "Risk Assessment Guidance for Site Investigations and Remediation," New Mexico Environment Department, March 2017 (NMED 2017, 602273).

^e Available at <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>.

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

^g Standard for dissolved chromium(VI) conservatively compared with results for dissolved chromium.

Table 4.4-1
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 4.4-2
Target Analytes with MDLs above Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Semivolatile Organic Compounds						
Atrazine	3–3.16	SW-846:8270D	3	µg/L	EPA MCL	GELC ^a
Azobenzene	3–3.16	SW-846:8270D	1.2	µg/L	EPA TAP SCRNLVL ^b	GELC
Benzidine	3.9–4.11	SW-846:8270D	0.00109	µg/L	NMED A1 TAP SCRNLVL ^c	GELC
Benzo(a)anthracene	0.3–0.316	SW-846:8270D	0.12	µg/L	NMED A1 TAP SCRNLVL	GELC
Benzo(a)pyrene	0.3–0.316	SW-846:8270D	0.2	µg/L	EPA MCL	GELC
Bis(2-chloroethyl)ether	3–3.16	SW-846:8270D	0.137	µg/L	NMED A1 TAP SCRNLVL	GELC
Dibenz(a,h)anthracene	0.3–0.316	SW-846:8270D	0.0343	µg/L	NMED A1 TAP SCRNLVL	GELC
Dichlorobenzidine[3,3'-]	3–3.16	SW-846:8270D	1.25	µg/L	NMED A1 TAP SCRNLVL	GELC
Dinitro-2-methylphenol[4,6-]	3–3.16	SW-846:8270D	1.52	µg/L	NMED A1 TAP SCRNLVL	GELC
Dinitrotoluene[2,4-]	3–3.16	SW-846:8270D	2.37	µg/L	NMED A1 TAP SCRNLVL	GELC
Dinitrotoluene[2,6-]	3–3.16	SW-846:8270D	0.485	µg/L	NMED A1 TAP SCRNLVL	GELC
Hexachlorobenzene	3–3.16	SW-846:8270D	1	µg/L	EPA MCL	GELC
Hexachlorobutadiene	3–3.16	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitrobenzene	3–3.16	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRNLVL	GELC

Table 4.4-2 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Nitroso-di-n-butylamine[N-]	3–3.16	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitroso-di-n-propylamine[N-]	3–3.16	SW-846:8270D	0.11	µg/L	EPA TAP SCRNLVL	GELC
Nitrosodiethylamine[N-]	3–3.16	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitrosodimethylamine[N-]	3–3.16	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRNLVL	GELC
Nitrosopyrrolidine[N-]	3–3.16	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRNLVL	GELC
Pentachlorobenzene	3–3.16	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRNLVL	GELC
Pentachlorophenol	3–3.16	SW-846:8270D	1	µg/L	EPA MCL	GELC
Tetrachlorobenzene[1,2,4,5]	3–3.16	SW-846:8270D	1.66	µg/L	NMED A1 TAP SCRNLVL	GELC
Volatile Organic Compounds						
Acrolein	1.5	SW-846:8260B	0.0415	µg/L	NMED A1 TAP SCRNLVL	GELC
Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRNLVL	GELC
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRNLVL	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 SCRNLVL	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRNLVL	GELC

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

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

^b EPA TAP SCRNLVL = U.S. Environmental Protection Agency screening level for tap water.

^c NMED A1 TAP SCRNLVL = New Mexico Environment Department screening level for tap water.

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

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening-Value Type
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	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-27	852.0	3/9/18	WG ^a	Dissolved Oxygen	6.93	mg/L ^b	CAWA-18-151436
R-27	852.0	3/24/17	WG	Dissolved Oxygen	7.04	mg/L	CAWA-17-130485
R-27	852.0	3/18/16	WG	Dissolved Oxygen	7.19	mg/L	CAWA-16-110752
R-27	852.0	2/6/15	WG	Dissolved Oxygen	7.02	mg/L	CAWA-15-91341
R-27	852.0	3/7/14	WG	Dissolved Oxygen	7.03	mg/L	CAWA-14-54782
R-27	852.0	3/9/18	WG	Flow (in gpm ^c)	4.05	gpm	CAWA-18-151436
R-27	852.0	03/24/17	WG	Flow (in gpm)	3.84	gpm	CAWA-17-130485
R-27	852.0	03/18/16	WG	Flow (in gpm)	3.41	gpm	CAWA-16-110752
R-27	852.0	02/06/15	WG	Flow (in gpm)	3.33	gpm	CAWA-15-91341
R-27	852.0	03/07/14	WG	Flow (in gpm)	3.75	gpm	CAWA-14-54782
R-27	852.0	3/9/18	WG	Oxidation-Reduction Potential	85.2	mV ^d	CAWA-18-151436
R-27	852.0	3/24/17	WG	Oxidation-Reduction Potential	58.2	mV	CAWA-17-130485
R-27	852.0	3/18/16	WG	Oxidation-Reduction Potential	186.3	mV	CAWA-16-110752
R-27	852.0	2/6/15	WG	Oxidation-Reduction Potential	64.6	mV	CAWA-15-91341
R-27	852.0	3/7/14	WG	Oxidation-Reduction Potential	102.1	mV	CAWA-14-54782
R-27	852.0	3/9/18	WG	pH	7.89	SU ^e	CAWA-18-151436
R-27	852.0	3/24/17	WG	pH	7.94	SU	CAWA-17-130485
R-27	852.0	3/18/16	WG	pH	7.77	SU	CAWA-16-110752
R-27	852.0	2/6/15	WG	pH	7.88	SU	CAWA-15-91341
R-27	852.0	3/7/14	WG	pH	7.87	SU	CAWA-14-54782
R-27	852.0	3/9/18	WG	Specific Conductance	118.7	μS/cm ^f	CAWA-18-151436
R-27	852.0	3/24/17	WG	Specific Conductance	119.2	μS/cm	CAWA-17-130485
R-27	852.0	3/18/16	WG	Specific Conductance	124	μS/cm	CAWA-16-110752
R-27	852.0	2/6/15	WG	Specific Conductance	120	μS/cm	CAWA-15-91341
R-27	852.0	3/7/14	WG	Specific Conductance	122	μS/cm	CAWA-14-54782

Location	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-27	852.0	3/9/18	WG	Temperature	18.4	deg C ^g	CAWA-18-151436
R-27	852.0	3/24/17	WG	Temperature	18.3	deg C	CAWA-17-130485
R-27	852.0	3/18/16	WG	Temperature	17.69	deg C	CAWA-16-110752
R-27	852.0	2/6/15	WG	Temperature	18.39	deg C	CAWA-15-91341
R-27	852.0	3/7/14	WG	Temperature	18.44	deg C	CAWA-14-54782
R-27	852.0	3/9/18	WG	Turbidity	0.21	NTU ^h	CAWA-18-151436
R-27	852.0	3/24/17	WG	Turbidity	0.34	NTU	CAWA-17-130485
R-27	852.0	3/18/16	WG	Turbidity	0.39	NTU	CAWA-16-110752
R-27	852.0	2/6/15	WG	Turbidity	0.7	NTU	CAWA-15-91341
R-27	852.0	3/7/14	WG	Turbidity	0	NTU	CAWA-14-54782
R-27i	619.0	3/9/18	WG	Dissolved Oxygen	8.1	mg/L	CAWA-18-151438
R-27i	619.0	3/24/17	WG	Dissolved Oxygen	8.12	mg/L	CAWA-17-130486
R-27i	619.0	3/18/16	WG	Dissolved Oxygen	8.16	mg/L	CAWA-16-110753
R-27i	619.0	2/6/15	WG	Dissolved Oxygen	8.14	mg/L	CAWA-15-91342
R-27i	619.0	3/7/14	WG	Dissolved Oxygen	7.86	mg/L	CAWA-14-54783
R-27i	619.0	3/9/18	WG	Flow (in gpm)	0.57	gpm	CAWA-18-151438
R-27i	619.0	03/24/17	WG	Flow (in gpm)	0.52	gpm	CAWA-17-130486
R-27i	619.0	03/18/16	WG	Flow (in gpm)	0.57	gpm	CAWA-16-110753
R-27i	619.0	02/06/15	WG	Flow (in gpm)	0.65	gpm	CAWA-15-91342
R-27i	619.0	03/07/14	WG	Flow (in gpm)	0.6	gpm	CAWA-14-54783
R-27i	619.0	3/9/18	WG	Oxidation-Reduction Potential	166.9	mV	CAWA-18-151438
R-27i	619.0	3/24/17	WG	Oxidation-Reduction Potential	253.8	mV	CAWA-17-130486
R-27i	619.0	3/18/16	WG	Oxidation-Reduction Potential	293.9	mV	CAWA-16-110753
R-27i	619.0	2/6/15	WG	Oxidation-Reduction Potential	118.6	mV	CAWA-15-91342
R-27i	619.0	3/7/14	WG	Oxidation-Reduction Potential	170.6	mV	CAWA-14-54783

Location	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-27i	619.0	3/9/18	WG	pH	7.01	SU	CAWA-18-151438
R-27i	619.0	3/24/17	WG	pH	6.96	SU	CAWA-17-130486
R-27i	619.0	3/18/16	WG	pH	6.68	SU	CAWA-16-110753
R-27i	619.0	2/6/15	WG	pH	6.88	SU	CAWA-15-91342
R-27i	619.0	3/7/14	WG	pH	6.99	SU	CAWA-14-54783
R-27i	619.0	3/9/18	WG	Specific Conductance	102	µS/cm	CAWA-18-151438
R-27i	619.0	3/24/17	WG	Specific Conductance	102.4	µS/cm	CAWA-17-130486
R-27i	619.0	3/18/16	WG	Specific Conductance	107	µS/cm	CAWA-16-110753
R-27i	619.0	2/6/15	WG	Specific Conductance	0.6	µS/cm	CAWA-15-91342
R-27i	619.0	3/7/14	WG	Specific Conductance	106	µS/cm	CAWA-14-54783
R-27i	619.0	3/9/18	WG	Temperature	13.8	deg C	CAWA-18-151438
R-27i	619.0	3/24/17	WG	Temperature	13.4	deg C	CAWA-17-130486
R-27i	619.0	3/18/16	WG	Temperature	13.97	deg C	CAWA-16-110753
R-27i	619.0	2/6/15	WG	Temperature	13.48	deg C	CAWA-15-91342
R-27i	619.0	3/7/14	WG	Temperature	13.19	deg C	CAWA-14-54783
R-27i	619.0	3/9/18	WG	Turbidity	0.29	NTU	CAWA-18-151438
R-27i	619.0	3/24/17	WG	Turbidity	0.6	NTU	CAWA-17-130486
R-27i	619.0	3/18/16	WG	Turbidity	0.56	NTU	CAWA-16-110753
R-27i	619.0	2/6/15	WG	Turbidity	1.2	NTU	CAWA-15-91342
R-27i	619.0	3/7/14	WG	Turbidity	0.3	NTU	CAWA-14-54783
R-29	1170.0	3/6/18	WG	Dissolved Oxygen	5.53	mg/L	CAAN-18-151443
R-29	1170.0	9/22/17	WG	Dissolved Oxygen	5.28	mg/L	CAAN-17-144828
R-29	1170.0	3/27/17	WG	Dissolved Oxygen	6.31	mg/L	CAAN-17-130479
R-29	1170.0	8/26/16	WG	Dissolved Oxygen	6.07	mg/L	CAAN-16-124887
R-29	1170.0	3/3/16	WG	Dissolved Oxygen	5.87	mg/L	CAAN-16-110571

Location	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-29	1170.0	9/21/15	WG	Dissolved Oxygen	6.46	mg/L	CAAN-15-104031
R-29	1170.0	3/6/18	WG	Flow (in gpm)	7.5	gpm	CAAN-18-151443
R-29	1170.0	9/22/17	WG	Flow (in gpm)	7.69	gpm	CAAN-17-144828
R-29	1170.0	03/27/17	WG	Flow (in gpm)	7.32	gpm	CAAN-17-130479
R-29	1170.0	08/26/16	WG	Flow (in gpm)	6.81	gpm	CAAN-16-124887
R-29	1170.0	03/03/16	WG	Flow (in gpm)	7.69	gpm	CAAN-16-110571
R-29	1170.0	09/21/15	WG	Flow (in gpm)	7.14	gpm	CAAN-15-104031
R-29	1170.0	3/6/18	WG	Oxidation-Reduction Potential	160.8	mV	CAAN-18-151443
R-29	1170.0	9/22/17	WG	Oxidation-Reduction Potential	240.9	mV	CAAN-17-144828
R-29	1170.0	3/27/17	WG	Oxidation-Reduction Potential	67.1	mV	CAAN-17-130479
R-29	1170.0	8/26/16	WG	Oxidation-Reduction Potential	78.3	mV	CAAN-16-124887
R-29	1170.0	3/3/16	WG	Oxidation-Reduction Potential	135	mV	CAAN-16-110571
R-29	1170.0	9/21/15	WG	Oxidation-Reduction Potential	116.1	mV	CAAN-15-104031
R-29	1170.0	3/6/18	WG	pH	8	SU	CAAN-18-151443
R-29	1170.0	9/22/17	WG	pH	8.14	SU	CAAN-17-144828
R-29	1170.0	3/27/17	WG	pH	7.86	SU	CAAN-17-130479
R-29	1170.0	8/26/16	WG	pH	8.12	SU	CAAN-16-124887
R-29	1170.0	3/3/16	WG	pH	8.36	SU	CAAN-16-110571
R-29	1170.0	9/21/15	WG	pH	8	SU	CAAN-15-104031
R-29	1170.0	3/6/18	WG	Specific Conductance	120.5	µS/cm	CAAN-18-151443
R-29	1170.0	9/22/17	WG	Specific Conductance	120.4	µS/cm	CAAN-17-144828
R-29	1170.0	3/27/17	WG	Specific Conductance	121.4	µS/cm	CAAN-17-130479
R-29	1170.0	8/26/16	WG	Specific Conductance	122.7	µS/cm	CAAN-16-124887
R-29	1170.0	3/3/16	WG	Specific Conductance	125	µS/cm	CAAN-16-110571
R-29	1170.0	9/21/15	WG	Specific Conductance	126	µS/cm	CAAN-15-104031

Location	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-29	1170.0	3/6/18	WG	Temperature	18.2	deg C	CAAN-18-151443
R-29	1170.0	9/22/17	WG	Temperature	19.5	deg C	CAAN-17-144828
R-29	1170.0	3/27/17	WG	Temperature	18.8	deg C	CAAN-17-130479
R-29	1170.0	8/26/16	WG	Temperature	19.4	deg C	CAAN-16-124887
R-29	1170.0	3/3/16	WG	Temperature	18.42	deg C	CAAN-16-110571
R-29	1170.0	9/21/15	WG	Temperature	20	deg C	CAAN-15-104031
R-29	1170.0	3/6/18	WG	Turbidity	8.71	NTU	CAAN-18-151443
R-29	1170.0	9/22/17	WG	Turbidity	6.31	NTU	CAAN-17-144828
R-29	1170.0	3/27/17	WG	Turbidity	7.74	NTU	CAAN-17-130479
R-29	1170.0	8/26/16	WG	Turbidity	7.74	NTU	CAAN-16-124887
R-29	1170.0	3/3/16	WG	Turbidity	7.31	NTU	CAAN-16-110571
R-29	1170.0	9/21/15	WG	Turbidity	6.9	NTU	CAAN-15-104031
R-30	1140.0	3/7/18	WG	Dissolved Oxygen	6.97	mg/L	CAAN-18-151446
R-30	1140.0	9/22/17	WG	Dissolved Oxygen	7.00	mg/L	CAAN-17-144829
R-30	1140.0	3/27/17	WG	Dissolved Oxygen	6.92	mg/L	CAAN-17-130480
R-30	1140.0	8/26/16	WG	Dissolved Oxygen	6.82	mg/L	CAAN-16-124883
R-30	1140.0	3/4/16	WG	Dissolved Oxygen	6.88	mg/L	CAAN-16-110572
R-30	1140.0	9/22/15	WG	Dissolved Oxygen	7.21	mg/L	CAAN-15-104032
R-30	1140.0	3/7/18	WG	Flow (in gpm)	5.45	gpm	CAAN-18-151446
R-30	1140.0	9/22/17	WG	Flow (in gpm)	5.7	gpm	CAAN-17-144829
R-30	1140.0	03/27/17	WG	Flow (in gpm)	5.38	gpm	CAAN-17-130480
R-30	1140.0	08/26/16	WG	Flow (in gpm)	5.45	gpm	CAAN-16-124883
R-30	1140.0	03/04/16	WG	Flow (in gpm)	5.77	gpm	CAAN-16-110572
R-30	1140.0	09/22/15	WG	Flow (in gpm)	5.6	gpm	CAAN-15-104032
R-30	1140.0	3/7/18	WG	Oxidation-Reduction Potential	171.3	mV	CAAN-18-151446

Location	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-30	1140.0	9/22/17	WG	Oxidation-Reduction Potential	292.3	mV	CAAN-17-144829
R-30	1140.0	3/27/17	WG	Oxidation-Reduction Potential	205.3	mV	CAAN-17-130480
R-30	1140.0	8/26/16	WG	Oxidation-Reduction Potential	168.37	mV	CAAN-16-124883
R-30	1140.0	3/4/16	WG	Oxidation-Reduction Potential	197.5	mV	CAAN-16-110572
R-30	1140.0	9/22/15	WG	Oxidation-Reduction Potential	162.7	mV	CAAN-15-104032
R-30	1140.0	3/7/18	WG	pH	8.08	SU	CAAN-18-151446
R-30	1140.0	9/22/17	WG	pH	8.11	SU	CAAN-17-144829
R-30	1140.0	3/27/17	WG	pH	7.89	SU	CAAN-17-130480
R-30	1140.0	8/26/16	WG	pH	8.18	SU	CAAN-16-124883
R-30	1140.0	3/4/16	WG	pH	7.9	SU	CAAN-16-110572
R-30	1140.0	9/22/15	WG	pH	7.93	SU	CAAN-15-104032
R-30	1140.0	3/7/18	WG	Specific Conductance	118	µS/cm	CAAN-18-151446
R-30	1140.0	9/22/17	WG	Specific Conductance	118.8	µS/cm	CAAN-17-144829
R-30	1140.0	3/27/17	WG	Specific Conductance	119.1	µS/cm	CAAN-17-130480
R-30	1140.0	8/26/16	WG	Specific Conductance	119.8	µS/cm	CAAN-16-124883
R-30	1140.0	3/4/16	WG	Specific Conductance	124	µS/cm	CAAN-16-110572
R-30	1140.0	9/22/15	WG	Specific Conductance	122	µS/cm	CAAN-15-104032
R-30	1140.0	3/7/18	WG	Temperature	19.6	deg C	CAAN-18-151446
R-30	1140.0	9/22/17	WG	Temperature	20.2	deg C	CAAN-17-144829
R-30	1140.0	3/27/17	WG	Temperature	19.7	deg C	CAAN-17-130480
R-30	1140.0	8/26/16	WG	Temperature	20	deg C	CAAN-16-124883
R-30	1140.0	3/4/16	WG	Temperature	19.72	deg C	CAAN-16-110572
R-30	1140.0	9/22/15	WG	Temperature	20.19	deg C	CAAN-15-104032
R-30	1140.0	3/7/18	WG	Turbidity	0.32	NTU	CAAN-18-151446
R-30	1140.0	9/22/17	WG	Turbidity	0.28	NTU	CAAN-17-144829

Location	Depth(ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-30	1140.0	3/27/17	WG	Turbidity	0.65	NTU	CAAN-17-130480
R-30	1140.0	8/26/16	WG	Turbidity	0.5	NTU	CAAN-16-124883
R-30	1140.0	3/4/16	WG	Turbidity	1	NTU	CAAN-16-110572
R-30	1140.0	9/22/15	WG	Turbidity	3	NTU	CAAN-15-104032

^a WG = Groundwater.

^b mg/L = Milligrams per liter.

^c gpm = Gallons per minute.

^d MV = Millivolts.

^e SU = Standard unit.

^f $\mu\text{S}/\text{cm}$ = 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 (or hexahydro-1,3-dinitroso-5-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
DQO	data quality objective
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GC/MS	gas chromatography/mass spectrometry
GELC	General Engineering Laboratories, Inc. (used in Environmental Information Management database)
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

Acronyms and Abbreviations (continued)

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

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 (or hexahydro-1,3,5-trinitroso-1,3,5-triazine)
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
W	water
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FR	field rinsate
FS	field split
FTB	field trip blank
FTR	field triplicate
INB	equipment blank taken during installation and not associated with a sampling event
ITB	trip blank taken during installation and not associated with a sampling event
NA	not applicable

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
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, 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.
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	The analytical laboratory suspects the result is a nondetect despite positive quantification results.

Secondary Validation Flag Codes

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

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.38	—	—	4.38	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	27.8	—	—	1.0	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.06	—	—	4.06	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	Y	16.4	—	—	6.25	µg/L	Y	J	J	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.0	—	—	0.05	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	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

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.44	—	—	3.44	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.427	—	—	0.427	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/201																				

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.21	—	—	5.21	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	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	03/09/2018	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	03/09/2018	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	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.65	—	—	3.65	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.85	—	—	3.85	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0	0.00534	0.0462		pCi/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.46	—	—	0.05	mg/L	Y	—	J+	2018-2134	CAWA-18-151436	GELC
R-27	852.0	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151436	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	03/09/2018	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120.0	—	—	1.0	uS/cm	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	48.2	—	—	1.0	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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	03/09/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—		deg C	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—		deg C	Y	—	NQ	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	177.0	—	—	3.4	mg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.967	—	—	0.33	mg/L	Y	J	J	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.02	mg/L	Y	U	U	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	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	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.263	0.729	2.49		pCi/L	Y	U	U	2018-2173	CAWA-18-151437	ARSL
R-27	852.0	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	03/09/2018	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	03/09/2018	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	03/09/2018	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.55	—	—	1.0	µg/L	Y	—	NQ	2018-2134	CAWA-18-151436	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	GELC
R-27	852.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151437	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-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.38	—	—	4.38	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	9.52	—	—	1.0	µg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.06	—	—	4.06	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.25	—	—	6.25	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	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	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.44	—	—	3.44	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.427	—	—	0.427	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L</						

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.21	—	—	5.21	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	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	03/09/2018	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	03/09/2018	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	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.65	—	—	3.65	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.85	—	—	3.85	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	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	03/09/2018	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	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.37	20.0	78.6		pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151438	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	03/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.08	1.65	6.0		pCi/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104.0	—	—	1.0	uS/cm	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	44.9	—	—	1.0	µg/L	Y	—	NQ	2018-2134	CAWA-18-151438	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	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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	03/09/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—		deg C	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—		deg C	Y	—	NQ	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	157.0	—	—	3.4	mg/L	Y	—	NQ	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.115	—	—	0.033	mg/L	Y	—	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	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	03/09/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.02	mg/L	Y	U	U	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	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	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.587	0.711	2.435		pCi/L	Y	U	U	2018-2173	CAWA-18-151439	ARSL
R-27i	619.0	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	03/09/2018	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	03/09/2018	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	03/09/2018	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	03/09/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.5	—	—	1.0	µg/L	Y	J	J	2018-2134	CAWA-18-151438	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	GELC
R-27i	619.0	03/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2134	CAWA-18-151439	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-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.532	—	—	0.532	µg/L	Y	U	UJ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.319	—	—	0.319	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	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	—	—	0.01	SU	Y	H	NQ	2018-2089	CAAN-18-151443	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	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.0	—	—	1.45	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	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	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	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	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00161	0.00483	0.0282		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	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	2017-2889	CAAN-17-144828	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	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	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	—	4.2	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	—	4.2	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	—	2.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	15.2	—	—	1.0	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	15.1	—	—	1.0	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	—	3.9	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	—	3.9	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	—	6.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	—	6.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	—	15.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.0	1.48	4.86		pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.843	1.6	5.91		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	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	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	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	—	3.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	—	0.41	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	—	0.41	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	1.81	—	—	1.0	µg/L	Y	J	J	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	1.16	—	—	1.0	µg/L	Y	J	J	2017-2889	CAAN-17-144826	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	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.43	1.09	5.05		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	—	5.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	—	5.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	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	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	03/06/2018	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	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	03/06/2018	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	09/22/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.124	0.747	2.74		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	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	09/22/2017	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.0	—	—	0.453	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	—	3.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	—	3.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	2.87	—	—	0.11	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.0	—	—	2.0	µg/L	Y	J	J	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	4.38	—	—	2.0	µg/L	Y	J	J	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	—	—	3.7	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	—	—	3.7	µg/L	Y	U	U	2017-2889	CAAN-17-144828	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	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.2	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.55	2.34	8.99	pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC	
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.259	2.65	7.79	pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC	
R-29	1170.0	03/06/2018	WG	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	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	03/06/2018	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	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	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0901	—	—	0.0901	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0872	—	—	0.0872	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.165	—	—	0.165	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.16	—	—	0.16	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	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	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	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	PETN	78-11-5	N	0.106	—	—	0.106	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00623	0.00804	0.0441		pCi/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00531	0.00638	0.0307		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-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	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0124	0.00638	0.0398		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	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	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.1	—	—	0.05	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	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	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-17.0	12.9	42.3		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	RDX	121-82-4	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	RDX	121-82-4	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	63.0	—	—	0.053	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.8	—	—	0.053	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.0	—	—	0.1	mg/L	Y	—	J+	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	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	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.64	1.17	5.09		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122.0	—	—	1.0	µS/cm	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131.0	—	—	1.0	µS/cm	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	57.4	—	—	1.0	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.4	—	—	1.0	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	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	09/22/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.272	0.144	0.464		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	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	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	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	TATB	3058-38-6	N	0.319	—	—	0.319	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—		deg C	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—		deg C	Y	—	NQ	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—		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	1.0	—	—		deg C	Y	—	NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tetryl	479-45-8	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	116.0	—	—	3.4	mg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121.0	—	—	3.4	mg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	UJ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0486	—	—	0.02	mg/L	Y	J	J	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.513	—	—	0.02	mg/L	Y	—	J+	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	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	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	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	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0879	—	—	0.0879	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.33	—	—	0.33	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.319	—	—	0.319	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-0.827	0.794	2.717		pCi/L	Y	U	U	2018-2112	CAAN-18-151444	ARSL
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.213	0.812	2.739		pCi/L	Y	U	U	2017-2937	CAAN-17-144828	ARSL
R-29	1170.0	03/06/2018	WG	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	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.404	—	—	0.067	µg/L	Y	—	NQ	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	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	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.322	0.0431	0.101		pCi/L	Y	—	NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-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	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0996	0.028	0.107		pCi/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.193	0.0227	0.0532		pCi/L	Y	—	J	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.212	0.0346	0.0973		pCi/L	Y	—	NQ	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	5.18	—	—	1.0	µg/L	Y	—	NQ	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	4.56	—	—	1.0	µg/L	Y	J	J	2017-2889	CAAN-17-144826	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2089	CAAN-18-151444	GELC
R-29	1170.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2889	CAAN-17-144828	GELC
R-29	1170.0	03/06/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-2089	CAAN-18-151443	GELC
R-29	1170.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2017-2889	CAAN-17-144826	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.526	—	—	0.526	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.526	—	—	0.526	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	3,5-Dinitroaniline	618-87-1	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	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.319	—	—	0.319	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	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	Acenaphthene	83-32-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	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	Acenaphthylene	208-96-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.0	—	—	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	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0	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	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	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	2017-2890	CAAN-17-144829	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	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.42	—	—	4.42	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	Aniline	62-53-3	N	4.38	—	—	4.38	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	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	Anthracene	120-12-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	2.0	—	—	2.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.16	—	—	3.16	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	Atrazine	1912-24-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.16	—	—	3.16	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	Azobenzene	103-33-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	14.6	—	—	1.0	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	13.0	—	—	1.0	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.11	—	—	4.11	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	Benzidine	92-87-5	N	4.06	—	—	4.06	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	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	Benzo(a)anthracene	56-55-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	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	Benzo(a)pyrene	50-32-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	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	Benzo(b)fluoranthene	205-99-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	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	Benzo(k)fluoranthene	207-08-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.32	—	—	6.32	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	Benzoic Acid	65-85-0	N	6.25	—	—	6.25	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.16	—	—	3.16	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	Benzyl Alcohol	100-51-6	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.16	—	—	3.16	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-chloroethyl)ether	111-44-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	N	15.0	—	—	15.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.16	—	—	3.16	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	Bromophenyl-phenylether[4-]	101-55-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	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	Butylbenzylphthalate	85-68-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-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	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.74	0.989	3.01		pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.01	1.45	5.05		pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	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	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.47	—	—	3.47	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	Chloroaniline[4-]	106-47-8	N	3.44	—	—	3.44	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.432	—	—	0.432	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	Chloronaphthalene[2-]	91-58-7	N	0.427	—	—	0.427	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.16	—	—	3.16	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	Chlorophenol[2-]	95-57-8	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	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	Chrysene	218-01-9	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	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	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	INORGANIC	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	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	Di-n-butylphthalate	84-74-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	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	Di-n-octylphthalate	117-84-0	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.16	—	—	3.16	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	Dibenzofuran	132-64-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.16	—	—	3.16	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	Dichlorobenzidine[3,3'-]	91-94-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.16	—	—	3.16	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	Dichlorophenol[2,4-]	120-83-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	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	Diethylphthalate	84-66-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	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	Dimethyl Phthalate	131-11-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.16	—	—	3.16	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	Dimethylphenol[2,4-]	105-67-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.16	—	—	3.16	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	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.26	—	—	5.26	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	Dinitrophenol[2,4-]	51-28-5	N	5.21	—	—	5.21	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0842	—	—	0.0842	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	Dinitrotoluene[2,4-]	121-14-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0842	—	—	0.0842	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	Dinitrotoluene[2,6-]	606-20-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.16	—	—	3.16	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	Dinoseb	88-85-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.16	—	—	3.16	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	Dioxane[1,4-]	123-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.16	—	—	3.16	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	Diphenylamine	122-39-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	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	Fluoranthene	206-44-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	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	Fluorene	86-73-7	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	03/07/2018	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	03/07/2018	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	03/07/2018	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	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.16	—	—	3.16	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	Hexachlorobenzene	118-74-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.16	—	—	3.16	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	Hexachlorocyclopentadiene	77-47-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.16	—	—	3.16	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	Hexachloroethane	67-72-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	HMX	2691-41-0	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.68	—	—	3.68	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	Isophorone	78-59-1	N	3.65	—	—	3.65	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	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	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	INORGANIC	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	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	Methylnaphthalene[1-]	90-12-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	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	Methylnaphthalene[2-]	91-57-6	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.16	—	—	3.16	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	Methylphenol[2-]	95-48-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.89	—	—	3.89	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	Methylphenol[3-,4-]	65794-96-9	N	3.85	—	—	3.85	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.316	—	—	0.316	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.04	1.73	6.13		pCi/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.77	3.09	11.4		pCi/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2017-2890	CAAN-17-144827	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	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.16	—	—	3.16	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	Nitroaniline[2-]	88-74-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.16	—	—	3.16	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	Nitroaniline[3-]	99-09-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.16	—	—	3.16	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	Nitroaniline[4-]	100-01-6	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0842	—	—	0.0842	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	Nitrobenzene	98-95-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.16	—	—	3.16	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	Nitrophenol[2-]	88-75-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.16	—	—	3.16	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	Nitrophenol[4-]	100-02-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.16	—	—	3.16	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	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.16	—	—	3.16	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	Nitrosodiethylamine[N-]	55-18-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.16	—	—	3.16	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	Nitrosodimethylamine[N-]	62-75-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.16	—	—	3.16	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	Nitrosopyrrolidine[N-]	930-55-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0863	—	—	0.0863	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0872	—	—	0.0872	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.158	—	—	0.158	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.16	—	—	0.16	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.16	—	—	3.16	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	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.16	—	—	3.16	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	Pentachlorobenzene	608-93-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.16	—	—	3.16	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	Pentachlorophenol	87-86-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	PETN	78-11-5	N	0.105	—	—	0.105	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	PETN	78-11-5	N	0.106	—	—	0.106	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	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	Phenanthrene	85-01-8	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.16	—	—	3.16	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	Phenol	108-95-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-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	03/07/2018	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	03/07/2018	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	03/07/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.0	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	30.0	54.6		pCi/L	Y	UI	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	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	Pyrene	129-00-0	N	0.313	—	—	0.313	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.16	—	—	3.16	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	Pyridine	110-86-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	RDX	121-82-4	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	RDX	121-82-4	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.0	—	—	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	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	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	03/07/2018	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	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119.0	—	—	1.0	uS/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	129.0	—	—	1.0	uS/cm	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	52.2	—	—	1.0	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	—	—	1.0	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	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
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	TATB	3058-38-6	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	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	TATB	3058-38-6	N	0.319	—	—	0.319	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—		deg C	Y	—	NQ	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—		deg C	Y	—	NQ	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—		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	1.0	—	—		deg C	Y	—	NQ	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.16	—	—	3.16	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	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tetryl	479-45-8	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tetryl	479-45-8	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	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	117.0	—	—	3.4	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.893	—	—	0.033	mg/L	Y	—	J+	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0465	—	—	0.02	mg/L	Y	J	J	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.545	—	—	0.02	mg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.16	—	—	3.16	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	Trichlorophenol[2,4,5-]	95-95-4	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.16	—	—	3.16	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	Trichlorophenol[2,4,6-]	88-06-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	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	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	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	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0842	—	—	0.0842	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0851	—	—	0.0851	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	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	LCMS/MS HIGH EXPLOSIVES	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.319	—	—	0.319	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.479	0.635	2.118		pCi/L	Y	U	U	2018-2112	CAAN-18-151491	ARSL
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.679	0.792	2.441		pCi/L	Y	U	U	2017-2937	CAAN-17-144829	ARSL

MDA AB Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-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	03/07/2018	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	03/07/2018	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	03/07/2018	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	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.31	—	—	1.0	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	—	—	1.0	µg/L	Y	—	NQ	2017-2890	CAAN-17-144827	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-2098	CAAN-18-151491	GELC
R-30	1140.0	09/22/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2890	CAAN-17-144829	GELC
R-30	1140.0	03/07/2018	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-2098	CAAN-18-151446	GELC
R-30	1140.0	09/22/2017	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2017-2890	CAAN-17-144827	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)
2017-2889	Inorganic	GELC ^a	CAAN-17-144826	09/22/17	R-29	1170.0	1180.0
2017-2889	Inorganic	GELC	CAAN-17-144828	09/22/17	R-29	1170.0	1180.0
2017-2889	Organic	GELC	CAAN-17-144828	09/22/17	R-29	1170.0	1180.0
2017-2889	Rad ^b	GELC	CAAN-17-144828	09/22/17	R-29	1170.0	1180.0
2017-2890	Inorganic	GELC	CAAN-17-144827	09/22/17	R-30	1140.0	1160.9
2017-2890	Inorganic	GELC	CAAN-17-144829	09/22/17	R-30	1140.0	1160.9
2017-2890	Organic	GELC	CAAN-17-144829	09/22/17	R-30	1140.0	1160.9
2017-2890	Rad	GELC	CAAN-17-144829	09/22/17	R-30	1140.0	1160.9
2017-2937	Rad	ARSL ^c	CAAN-17-144828	09/22/17	R-29	1170.0	1180.0
2017-2937	Rad	ARSL	CAAN-17-144829	09/22/17	R-30	1140.0	1160.9
2018-2089	Inorganic	GELC	CAAN-18-151443	03/06/18	R-29	1170.0	1180.0
2018-2089	Inorganic	GELC	CAAN-18-151444	03/06/18	R-29	1170.0	1180.0
2018-2089	Organic	GELC	CAAN-18-151444	03/06/18	R-29	1170.0	1180.0
2018-2089	Rad	GELC	CAAN-18-151444	03/06/18	R-29	1170.0	1180.0
2018-2098	Inorganic	GELC	CAAN-18-151446	03/07/18	R-30	1140.0	1160.9
2018-2098	Inorganic	GELC	CAAN-18-151491	03/07/18	R-30	1140.0	1160.9
2018-2098	Organic	GELC	CAAN-18-151491	03/07/18	R-30	1140.0	1160.9
2018-2098	Rad	GELC	CAAN-18-151491	03/07/18	R-30	1140.0	1160.9
2018-2112	Rad	ARSL	CAAN-18-151444	03/06/18	R-29	1170.0	1180.0
2018-2112	Rad	ARSL	CAAN-18-151491	03/07/18	R-30	1140.0	1160.9
2018-2134	Inorganic	GELC	CAWA-18-151436	03/09/18	R-27	852.0	875.0
2018-2134	Inorganic	GELC	CAWA-18-151437	03/09/18	R-27	852.0	875.0
2018-2134	Inorganic	GELC	CAWA-18-151438	03/09/18	R-27i	619.0	629.0
2018-2134	Inorganic	GELC	CAWA-18-151439	03/09/18	R-27i	619.0	629.0
2018-2134	Organic	GELC	CAWA-18-151437	03/09/18	R-27	852.0	875.0
2018-2134	Organic	GELC	CAWA-18-151439	03/09/18	R-27i	619.0	629.0
2018-2134	Rad	GELC	CAWA-18-151437	03/09/18	R-27	852.0	875.0
2018-2134	Rad	GELC	CAWA-18-151439	03/09/18	R-27i	619.0	629.0
2018-2173	Rad	ARSL	CAWA-18-151437	03/09/18	R-27	852.0	875.0
2018-2173	Rad	ARSL	CAWA-18-151439	03/09/18	R-27i	619.0	629.0

^a GELC = GEL Laboratories, LLC, Division of the GEL Group, Charleston, SC.^b Rad = Radiochemistry (not gamma).^c ARSL = American Radiation Services, Inc.

