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



May 27, 2021

May 27 JC

Subject: Submittal of the 2021 Annual Periodic Monitoring Reports for the Chromium Investigation, Technical Area 54, Material Disposal Area C Monitoring Groups

Dear Mr. Pierard:

Enclosed please find two hard copies with electronic files of the “2021 Annual Periodic Monitoring Report for the Chromium Investigation Monitoring Group, Mortandad Canyon and Sandia Canyon Watersheds,” the “2021 Annual Periodic Monitoring Report for the Technical Area 54 Monitoring Group, Pajarito Canyon and Mortandad Canyon Watersheds,” and the “2021 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed.” The reports include results from monitoring years 2020 and 2021.

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

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

Sincerely,

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

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Date: 2021.05.26 16:03:40
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Enclosure(s): Two hard copies with electronic files:

1. 2021 Annual Periodic Monitoring Report for the Chromium Investigation Monitoring Group, Mortandad Canyon and Sandia Canyon Watersheds (EM2021-0077)
2. 2021 Annual Periodic Monitoring Report for the Technical Area 54 Monitoring Group, Pajarito Canyon and Mortandad Canyon Watersheds (EM2021-0232)
3. 2021 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed (EM2021-0237)

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May 2021
EM2021-0237

2021 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed

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.

2021 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed

May 2021

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Printed Name	Signature	Title	Organization	Date

Responsible N3B representative:

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Responsible DOE EM-LA representative:

Arturo Q. Duran	ARTURO DURAN <small>Digitally signed by ARTURO DURAN Date: 2021.05.27 09:22:28 -06'00'</small>	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	
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EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents results for the Material Disposal Area (MDA) C monitoring group of the Newport News Nuclear BWXT-Los Alamos, LLC, groundwater 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 2021 Monitoring Year, October 2020–September 2021,” (hereafter referred to as the 2021 IFGMP) prepared in accordance with the Compliance Order on Consent.

All active monitoring locations in the MDA C monitoring group are located within the Mortandad Canyon watershed. The MDA C monitoring group includes the monitoring of groundwater well and well-screen locations.

This PMR presents monitoring results for one periodic monitoring event (PME) conducted during the first quarter of monitoring year 2021. In addition to results from this PME, results are reported for the previous four PMEs as well as for earlier MDA C monitoring group PMEs that have not yet been reported because the validated laboratory data were not available at the time of the previous MDA C PMR publications.

Groundwater samples collected during the PME were analyzed for all or some of the following analytical groups as specified in the 2021 IFGMP: metals; volatile organic compounds; semivolatile organic compounds; low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances; polychlorinated biphenyls; high explosives; radionuclides; low-level tritium; general inorganic chemicals (including perchlorate). The same samples were also analyzed for field parameters, including dissolved oxygen, flow rate (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

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

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Acronyms and Abbreviations

ARSL	American Radiation Services, Inc., Port Allen, LA
COC	chain of custody
Consent Order	Compliance Order on Consent
DOE	Department of Energy (U.S.)
DQO	data quality objective
EIM	Environmental Information Management (database)
EPA	Environmental Protection Agency (U.S.)
EQB	equipment rinsate blank
F	filtered
FB	field blank
FD	field duplicate
FTB	field trip blank
GELC	GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC
gpm	gallons per minute
ID	identification
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
MY	monitoring year
N	no (best-value flag 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
NTU	nephelometric turbidity unit(s)
PEB	performance evaluation blank
PFAS	per- and polyfluoroalkyl substances
PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
S	screen
SOP	standard operating procedure
SU	standard unit
SVOC	semivolatile organic compound

TA	technical area
UF	unfiltered
VOC	volatile organic compound
WCSF	waste characterization strategy form
Y	yes (best-value flag code)

1.0 INTRODUCTION

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

Watershed	PME Reported in this PMR		PME Field Sampling	
	Monitoring Year	Quarter	Begin	End
Mortandad	2021	1	11/16/2020	11/18/2020

The annual MDA C monitoring group PMR is submitted to the New Mexico Environment Department (NMED) every May. This PMR includes results from MDA C monitoring group PME performed during the first quarter of the 2021 monitoring year (MY).

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

The PME reported in this PMR consisted of sampling groundwater wells pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2021 Monitoring Year, October 2020–September 2021” (hereafter referred to as the 2021 IFGMP) (N3B 2020, 700927), which was prepared in accordance with the 2016 Compliance Order on Consent (Consent Order).

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

This report presents the following information:

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

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

1.1 Background

MDA C (Solid Waste Management Unit 50-009) is located on Mesita del Buey in Technical Area 50 (TA-50) at the head of Ten Site Canyon. The MDA C monitoring group includes nearby regional monitoring wells on the mesa top and in Mortandad Canyon. TA-50 is bounded on the north by Effluent and Mortandad Canyons, on the east by the upper reaches of Ten Site Canyon, on the south by Twomile Canyon, and on the west by TA-55.

Figure 1.1-1 is an MDA C monitoring group vicinity map. Monitoring locations are shown in Figure 1.1-2.

MDA C is an inactive 11.8-acre landfill consisting of 7 disposal pits and 108 shafts. Solid low-level radioactive wastes and chemical wastes were disposed of in the landfill between 1948 and 1974. The depths of the 7 pits at MDA C range from 12 ft to 25 ft below the original ground surface. The depths of the 108 shafts range from 10 ft to 25 ft below the original ground surface. The original ground surface is defined as beneath the cover that was placed over the site in 1984. The pits and shafts are constructed in the Tshirege Member of the Bandelier Tuff. The regional aquifer is estimated to be approximately 1332 ft below ground surface based on the water level in well R-46 (LANL 2009, 105592). The topography of MDA C is relatively flat, although the slope steepens to the north where the northeast corner of MDA C abuts the south wall of Ten Site Canyon.

Vapor-phase volatile organic compounds (VOCs) and tritium are present in the upper 500 ft of the unsaturated zone beneath MDA C (LANL 2011, 204370). The primary vapor-phase contaminants beneath MDA C are trichloroethene and tritium. There is no evidence of groundwater contamination in the regional aquifer. MDA C is located on a mesa top above thick, unsaturated units of the Bandelier Tuff; present-day aqueous-phase transport is generally believed to be minimal (LANL 2011, 204370).

2.0 SCOPE OF ACTIVITIES

All active monitoring locations in the MDA C monitoring group are located within the Mortandad Canyon watershed. Monitoring locations consist of three groundwater wells completed within the deep regional aquifer.

Groundwater samples collected during the PME were analyzed for some or all of the following analytical groups as specified in the 2021 IFGMP (N3B 2020, 700927): metals; volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs); low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances; polychlorinated biphenyls; high explosives; radionuclides; low-level tritium; general inorganic chemicals (including perchlorate). The same samples were also analyzed for field parameters, including dissolved oxygen, flow (in gallons per minute), oxidation-reduction potential, pH, specific conductance, temperature, and turbidity.

Purge water is managed and characterized in accordance with the relevant version of the waste characterization strategy form (WCSF) "Characterization and Management of Environmental Programs Waste" (N3B-EP-DIR-SOP-10021). Purge water is stored until characterization is complete, and if requirements are met, the purge water can be land-applied in accordance with the standard operating procedure (SOP) "Land Application of Groundwater" (N3B-EPC-CP-QP-010) and standing order "Land Application of Groundwater" (N3B-SO-ER-0003), which implements the NMED-approved decision tree for land application of drilling, development, rehabilitation, and purge water. Table 2.0-1 provides the well location name and watershed; the monitoring year and quarter of the sampling event; the sample collection date; the well-screen interval; top and bottom screen depths; and casing volume, purge volume, and purge or flow rate for each sampling event.

2.1 Deviations from Planned Scope

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

3.0 REGULATORY CRITERIA

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

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

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

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2021 IFGMP (N3B 2020, 700927).

4.2 Comparison of Target Analytes and Method Detection Limits

Several analytes have a range of method detection limits (MDLs). For some of these analytes, the MDL is much lower than for earlier analyses. Table 4.2-1 presents a list of target analytes with MDLs equal to or above screening values. There were no analytes for which the lower range of MDLs is below the

screening value but the upper portion of the range is above the screening value during the period covered by this report. The analytical method and analytical laboratory are included in the table for reference.

4.3 Field Parameter Results

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

4.4 Groundwater Elevations

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

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

There are no data gaps in this PMR.

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

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

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform the analysis for the data reported in this PMR are documented in the 2021 IFGMP (N3B 2020, 700927). Samples and field-data collection are conducted using SOPs that are part of a comprehensive quality assurance/quality control (QA/QC) program. These SOPs are listed and described in Appendix B of the IFGMP reports.

Sampling and analysis plans (SAPs) are created using IFGMP Tables 1.7-2, 1.8-1, 1.9-1, 1.11-1, and 2.4-1 through 8.3-1 (N3B 2020, 700927). SAPs include additional field collection, transportation, and field QA/QC criteria as identified in the N3B Data Quality Objectives (DQOs) and in the Consent Order. A

sample collection log is created from the SAP and is used to maintain a chain-of-custody (COC) document and an analytical request form.

Field QA/QC sampling and analysis is employed as a facet of the QA/QC program to assist in qualifying field sample analytical results. These samples include field blanks (FBs), equipment rinsate blanks (EQBs), performance evaluation blanks (PEBs), field trip blanks (FTBs), and field duplicates (FDs). FBs are samples of analyte-free water poured into a sample container at a field sampling site concurrent with sampling. EQBs are samples of analyte-free water poured over or flowed through non-dedicated, decontaminated field sampling equipment prior to the collection of field samples. PEBs are blanks that also are prepared with analyte-free water but are not taken into the field. FTBs are prepared by the analytical laboratory with water that is laboratory-certified as analyte-free; FTBs remain sealed as they are taken to sampling sites and shipped back to the laboratory with field samples. FDs are split samples taken at the time of field sample collection. These QA/QC samples are transported with their associated regular field samples and are submitted to the analytical laboratory as if they were regular field samples without indication that they are QA/QC samples. Comprehensively, these field QA/QC samples support monitoring the quality of field sample collection, shipping processes, and analytical laboratory processes. Additional description regarding these types of QA/QC samples is provided in the IFGMP reports in Appendix D.

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

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

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

Analytical results meet the N3B minimum DQOs as outlined in N3B-PLN-SDM-1000: "Sample and Data Management Plan." N3B-PLN-SDM-1000 sets the validation frequency criteria at 100% Level 1 examination and Level 2 verification of data and at 10% minimum Level 3 validation of data. A Level 1 examination assesses the completeness of the data as delivered from the analytical laboratory, identifies any reporting errors, and checks the usability of the data based on the analytical laboratory's evaluation of the data. A Level 2 verification evaluates the data to determine the extent to which the laboratory met the analytical method and the contract-specific quality control and reporting requirements. A Level 3 validation includes Levels 1 and 2 criteria and determines the effect of potential anomalies encountered during analysis and possible effects on data quality and usability. A Level 3 validation is performed manually with method-specific data validation procedures. Laboratory analytical data are validated by N3B personnel as outlined in N3B-PLN-SDM-1000; N3B-AP-SDM-3000: "General Guidelines for Data Validation"; N3B-AP-SDM-3014: "Examination and Verification of Analytical Data"; and additional method-specific analytical data validation procedures. All associated validation procedures have been developed, where applicable, from the EPA QA/G-8 Guidance on Environmental Data Verification and Data Validation, the Department of Defense/Department of Energy Consolidated Quality Systems Manual for Environmental Laboratories, the EPA National Functional Guidelines for Data Validation, and the American National Standards Institute/American Nuclear Society 41.5: Verification and Validation of Radiological Data.

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

5.1 Analytical Data

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

- For all data
 - ❖ FD results, reanalysis results, and results of the same analytes from the same sample analyzed by different analytical methods are reported.
 - ❖ Data that are R-qualified (rejected and thus unusable because of analytical problems and/or noncompliance with QA/QC criteria during independent validation) are still reported.
 - ❖ Laboratory QA/QC results, FTB data, FB data, and PEB data are not included in the data set.
 - ❖ Tracers used for conceptual models are not reported.
 - ❖ Data for certain target analytes from watch-list wells that are not representative or are of questionable representativeness are not reported.
 - ❖ All other results are reported for all locations.
- For radionuclide data:
 - ❖ Constituents analyzed and reported for the gamma spectroscopy suite include cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22.
 - ❖ Americium-241 and uranium-235 data from chemical separation alpha spectroscopy are reported. Gamma spectroscopy results for these analytes are not presented.
 - ❖ All other radionuclide results are reported for all locations.

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

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

Table 5.2-1 is not included in this PMR since no analytical results were detected at concentrations greater than screening values.

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

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

5.2.1 Groundwater

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

5.3 Sampling Program Modifications

Proposed modifications to the currently planned periodic monitoring of the MDA C monitoring group for the 2021 monitoring year include increased sampling frequency for high explosives as recommended in the “Investigation Report for Royal Demolition Explosive in Deep Groundwater” (N3B 2019, 700561); and change of sampling frequency from annual to biennial for low-level 1,4-dioxane (using a selected ion monitoring method) and low-level nitrosamines (using a high-resolution gas chromatography/high-resolution mass spectrometry method) to align with the SVOC analytical suite frequency. Previously, 1,4-dioxane and nitrosamines were analyzed as part of the SVOC analytical suite. These analytes are now also analyzed using these low-level methods and sampled at the same frequency as the SVOC analytical suite.

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

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

6.2 Analytical Results

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

6.2.1 Surface Water (Base Flow)

There are no base-flow monitoring locations included within the MDA C monitoring group.

6.2.2 Groundwater

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

6.3 Data Gaps

As noted in Table 2.1-1, there were no deviations from the planned scope for the PME reported in this PMR.

6.4 Remediation System Monitoring

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

7.0 REFERENCES

The following reference list includes documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ERID, ESHID, or EMID. This information is also included in text citations. ERIDs were assigned by Los Alamos National 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. 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), March 2009. "Completion Report for Regional Aquifer Well R-46," Los Alamos National Laboratory document LA-UR-09-1338, Los Alamos, New Mexico. (LANL 2009, 105592)

LANL (Los Alamos National Laboratory), June 2011. "Phase III Investigation Report for Material Disposal Area C, Solid Waste Management Unit 50-009, at Technical Area 50," Los Alamos National Laboratory document LA-UR-11-3429, Los Alamos, New Mexico. (LANL 2011, 204370)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), August 2019. "Investigation Report for Royal Demolition Explosive in Deep Groundwater," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2019-0235, Los Alamos, New Mexico. (N3B 2019, 700561)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), May 2020. "Interim Facility-Wide Groundwater Monitoring Plan for the 2021 Monitoring Year, October 2020–September 2021," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2020-0113, Los Alamos, New Mexico. (N3B 2020, 700927)

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

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

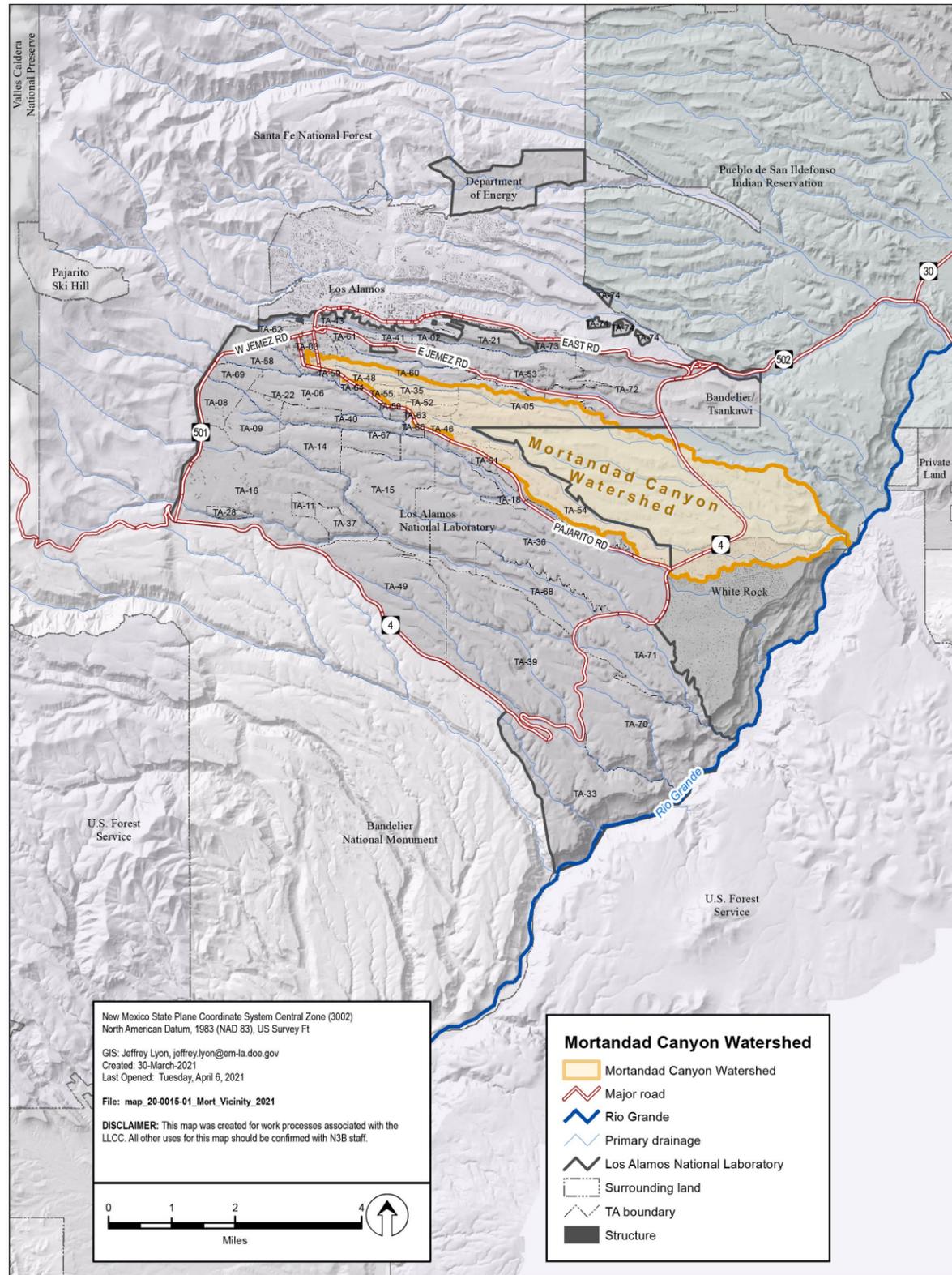
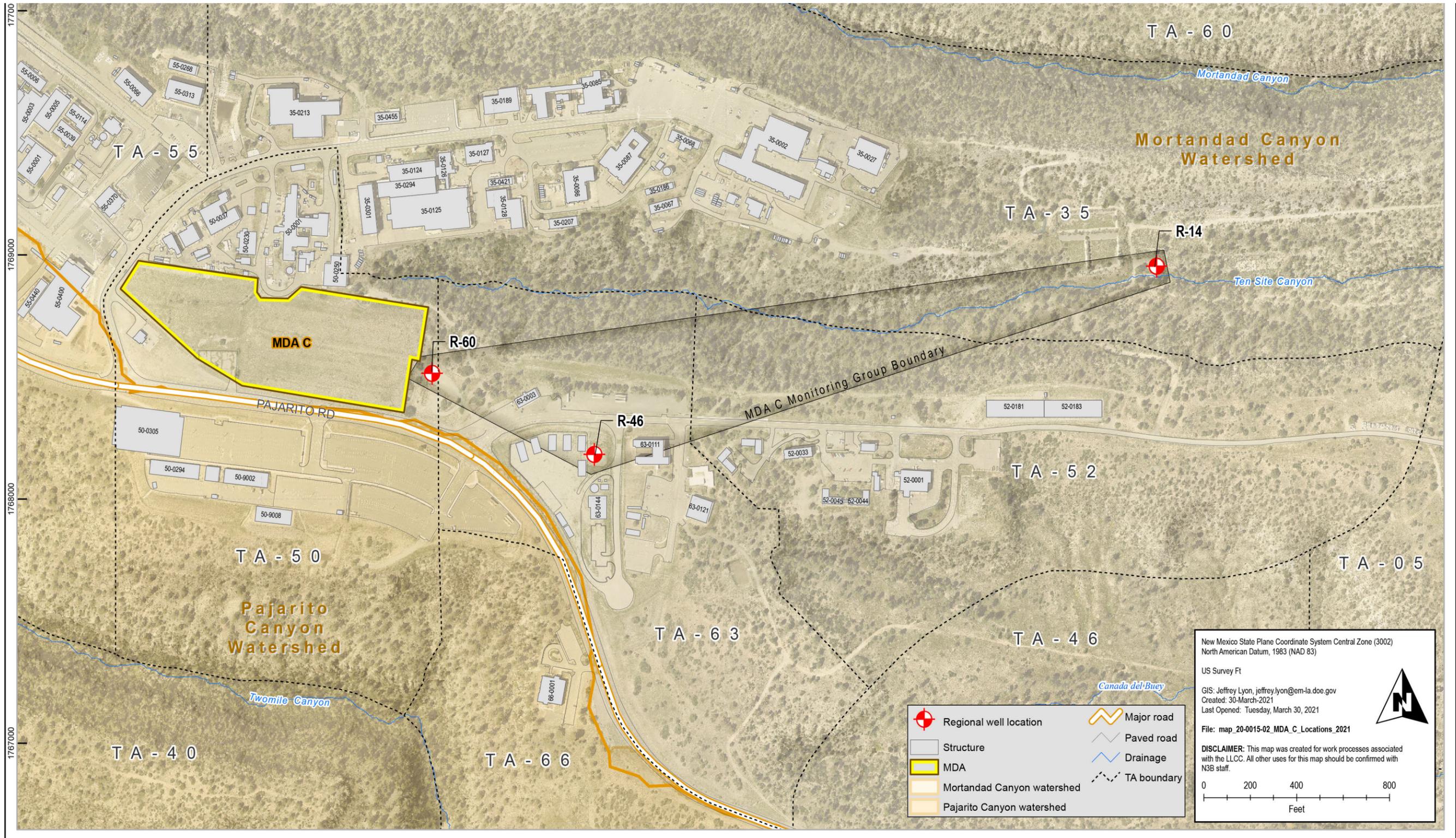


Figure 1.1-1 MDA C monitoring group vicinity map



Note: See also Table 2.0-1.

Figure 1.1-2 MDA C monitoring group well locations

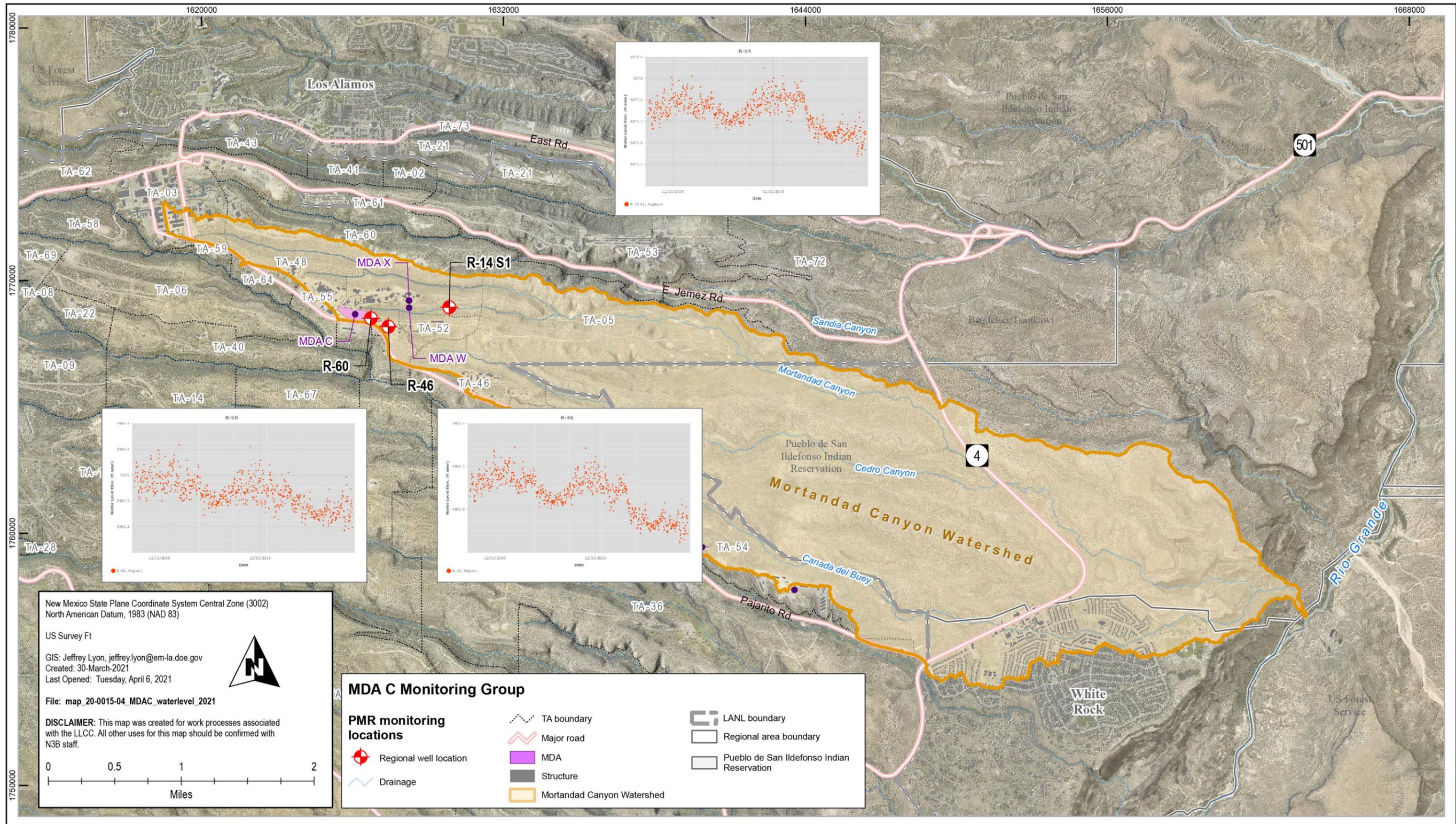


Figure 4.4-1 Groundwater elevations

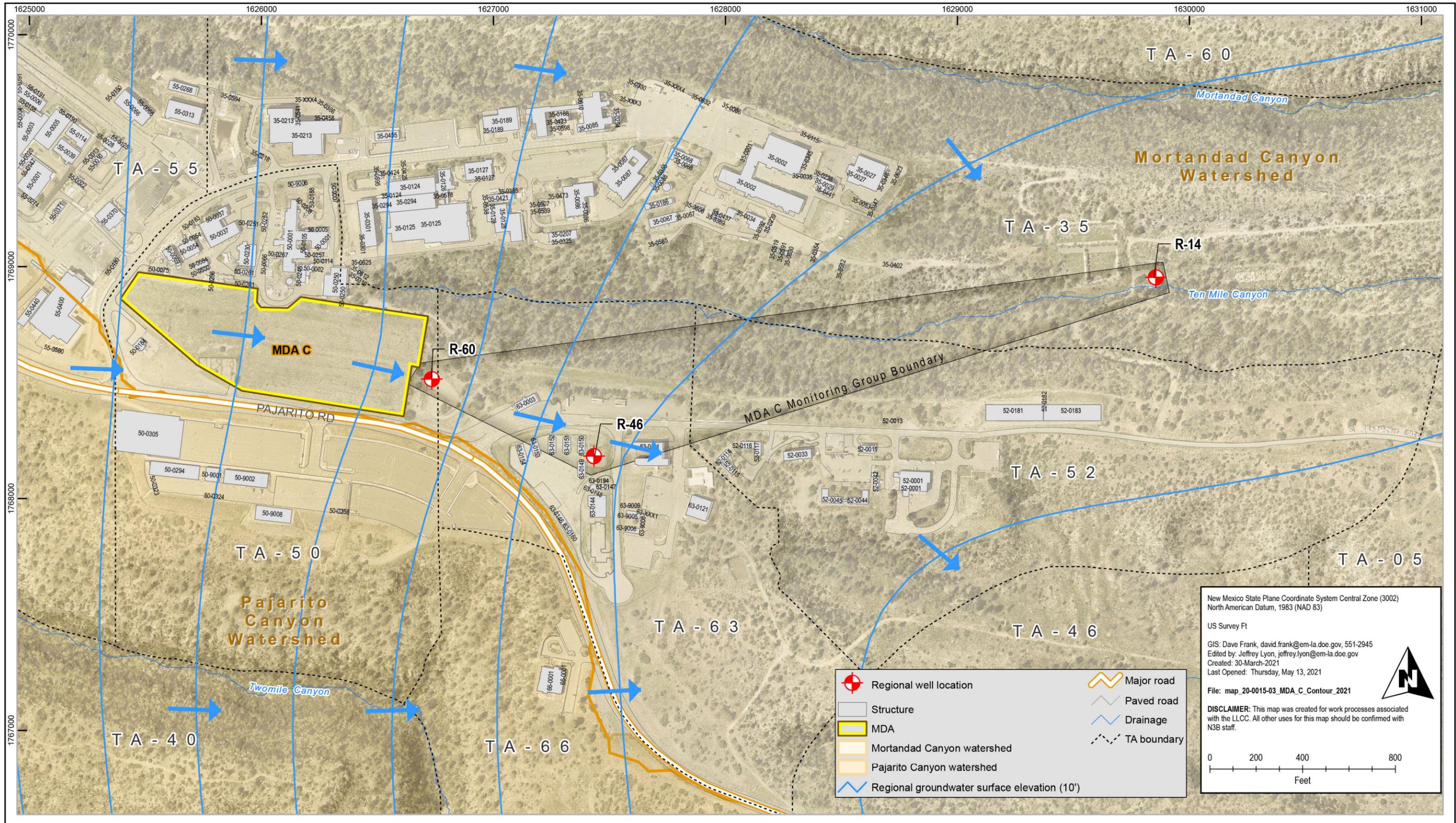


Figure 4.4-2 Regional aquifer water table map with flow direction

**Table 2.0-1
MDA C Monitoring Group Locations and General Information**

Location	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 ^a)
		Monitoring Year	Quarter							
Regional										
R-14 S1 ^b	Mortandad	2021	1	11/18/2020	32.6	1200.6	1233.2	47.37	146.53	6.98
R-46	Mortandad			11/17/2020	20.7	1340	1360.7	50.09	169.40	4.84
R-60	Mortandad			11/16/2020	20.9	1330	1350.9	38.64	117.45	2.61

^a gpm = Gallons per minute.

^b S1 = Screen 1.

**Table 2.1-1
MDA C Monitoring Group PME Observations and Deviations**

Location	Watershed	Sampling Event		Observation/Deviation	Cause	Comments
		Monitoring Year	Quarter			
R-14 S1 ^a	Mortandad	2021	1	3.09 CVs ^b purged	n/a ^c	n/a
R-46	Mortandad			3.38 CVs purged	n/a	n/a
R-60	Mortandad			3.04 CVs purged	n/a	n/a

^a S1 = Screen 1.

^b CVs = Casing volumes.

^c n/a = Not applicable.

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

Standard Type	Standard Source	Description	Groundwater
New Mexico			
Standard	20.6.2.3103 NMAC (NMWQCC groundwater standard)	Groundwater human health standards, other standards for domestic water supply and standards for irrigation use	X ^a
Screening Level	NMED	Tap water screening levels ^b	X
EPA			
Standard	40 Code of Federal Regulations 141	EPA MCLs ^c	X
Risk-Human	EPA generic screening levels	EPA generic screening levels for tap water ^d	X
DOE			
Standard	DOE Order 458.1	DOE 100-mrem public dose derived concentration technical standards	X
Standard	DOE Order 458.1	DOE 4-mrem drinking water derived concentration technical standards	X

^a X = Applied to data screening for this report.

^b Screening levels derived from NMED guidance (NMED 2017, 602274; NMED 2019, 700550).

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

^d EPA generic screening levels (<http://www.epa.gov/risk/risk-based-screening-table-generic-tables>).

**Table 4.2-1
Target Analytes with MDLs equal to or above Screening Values**

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Volatile Organic Compounds						
Acrolein	1.5	SW-846:8260B	0.0415	µg/L	NMED A1 TAP SCRNLVL ^a	GELC ^b
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 ^c	GELC
Dibromoethane[1,2-]	0.3	SW-846:8260B	0.05	µg/L	NM GW STD ^d	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 NMED A1 TAP SCRNLVL = New Mexico Environment Department screening level for tap water.

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

^c EPA MCL = U.S. Environmental Protection Agency maximum contaminant level.

^d NM GW STD = NMWQCC groundwater standard.

Appendix A

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

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
R-14 S1	1200.6	11/18/2020	WG ^a	Dissolved Oxygen	5.67	mg/L	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	Dissolved Oxygen	5.91	mg/L	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	Dissolved Oxygen	5.8	mg/L	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	Dissolved Oxygen	5.77	mg/L	CAMO-18-148116
R-14 S1	1200.6	05/04/2017	WG	Dissolved Oxygen	5.72	mg/L	CAMO-17-132223
R-14 S1	1200.6	11/18/2020	WG	Flow (in gpm ^b)	6.98	gpm	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	Flow (in gpm)	6.67	gpm	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	Flow (in gpm)	7.14	gpm	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	Flow (in gpm)	7.14	gpm	CAMO-18-148116
R-14 S1	1200.6	11/18/2020	WG	Oxidation-Reduction Potential	139.8	mV	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	Oxidation-Reduction Potential	133.9	mV	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	Oxidation-Reduction Potential	167.6	mV	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	Oxidation-Reduction Potential	181.4	mV	CAMO-18-148116
R-14 S1	1200.6	05/04/2017	WG	Oxidation-Reduction Potential	187.9	mV	CAMO-17-132223
R-14 S1	1200.6	11/18/2020	WG	pH	8.27	SU ^c	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	pH	8.03	SU	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	pH	8.18	SU	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	pH	8.19	SU	CAMO-18-148116
R-14 S1	1200.6	05/04/2017	WG	pH	8.11	SU	CAMO-17-132223
R-14 S1	1200.6	11/18/2020	WG	Specific Conductance	126.9	µs/cm	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	Specific Conductance	124.9	µs/cm	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	Specific Conductance	127.4	µs/cm	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	Specific Conductance	127	µs/cm	CAMO-18-148116
R-14 S1	1200.6	05/04/2017	WG	Specific Conductance	127.4	µs/cm	CAMO-17-132223
R-14 S1	1200.6	11/18/2020	WG	Temperature	22.9	deg C	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	Temperature	23	deg C	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	Temperature	22.8	deg C	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	Temperature	23.2	deg C	CAMO-18-148116

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
R-14 S1	1200.6	05/04/2017	WG	Temperature	23.4	deg C	CAMO-17-132223
R-14 S1	1200.6	11/18/2020	WG	Turbidity	0.35	NTU ^d	CAMO-21-210587
R-14 S1	1200.6	11/12/2019	WG	Turbidity	0.35	NTU	CAMO-20-189303
R-14 S1	1200.6	11/09/2018	WG	Turbidity	0.67	NTU	CAMO-19-164050
R-14 S1	1200.6	11/08/2017	WG	Turbidity	0.22	NTU	CAMO-18-148116
R-14 S1	1200.6	05/04/2017	WG	Turbidity	0.2	NTU	CAMO-17-132223
R-46	1340.0	11/17/2020	WG	Dissolved Oxygen	6.5	mg/L	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	Dissolved Oxygen	6.18	mg/L	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	Dissolved Oxygen	6.67	mg/L	CAMO-19-164053
R-46	1340.0	11/07/2017	WG	Dissolved Oxygen	6.72	mg/L	CAMO-18-148117
R-46	1340.0	05/04/2017	WG	Dissolved Oxygen	6.83	mg/L	CAMO-17-132213
R-46	1340.0	11/17/2020	WG	Flow (in gpm)	4.84	gpm	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	Flow (in gpm)	5	gpm	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	Flow (in gpm)	5	gpm	CAMO-19-164053
R-46	1340.0	11/07/2017	WG	Flow (in gpm)	4.84	gpm	CAMO-18-148117
R-46	1340.0	11/17/2020	WG	Oxidation-Reduction Potential	101	mV	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	Oxidation-Reduction Potential	200.7	mV	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	Oxidation-Reduction Potential	269.8	mV	CAMO-19-164053
R-46	1340.0	11/07/2017	WG	Oxidation-Reduction Potential	150.1	mV	CAMO-18-148117
R-46	1340.0	05/04/2017	WG	Oxidation-Reduction Potential	206.8	mV	CAMO-17-132213
R-46	1340.0	11/17/2020	WG	pH	7.92	SU	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	pH	7.21	SU	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	pH	7.96	SU	CAMO-19-164053
R-46	1340.0	11/07/2017	WG	pH	7.99	SU	CAMO-18-148117
R-46	1340.0	05/04/2017	WG	pH	7.86	SU	CAMO-17-132213
R-46	1340.0	11/17/2020	WG	Specific Conductance	121.2	µs/cm	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	Specific Conductance	120.1	µs/cm	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	Specific Conductance	121.4	µs/cm	CAMO-19-164053

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
R-46	1340.0	11/07/2017	WG	Specific Conductance	120.1	µs/cm	CAMO-18-148117
R-46	1340.0	05/04/2017	WG	Specific Conductance	120.1	µs/cm	CAMO-17-132213
R-46	1340.0	11/17/2020	WG	Temperature	21.7	deg C	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	Temperature	20.3	deg C	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	Temperature	21.1	deg C	CAMO-19-164053
R-46	1340.0	11/07/2017	WG	Temperature	20.8	deg C	CAMO-18-148117
R-46	1340.0	05/04/2017	WG	Temperature	20.8	deg C	CAMO-17-132213
R-46	1340.0	11/17/2020	WG	Turbidity	6.33	NTU	CAMO-21-210592
R-46	1340.0	11/21/2019	WG	Turbidity	1.03	NTU	CAMO-20-189307
R-46	1340.0	11/13/2018	WG	Turbidity	0.36	NTU	CAMO-19-164053
R-46	1340.0	11/07/2017	WG	Turbidity	0.29	NTU	CAMO-18-148117
R-46	1340.0	05/04/2017	WG	Turbidity	0.29	NTU	CAMO-17-132213
R-60	1330.0	11/16/2020	WG	Dissolved Oxygen	5.7	mg/L	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	Dissolved Oxygen	5.68	mg/L	CAMO-20-189312
R-60	1330.0	11/13/2018	WG	Dissolved Oxygen	5.94	mg/L	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	Dissolved Oxygen	5.97	mg/L	CAMO-18-148118
R-60	1330.0	05/03/2017	WG	Dissolved Oxygen	5.99	mg/L	CAMO-17-132236
R-60	1330.0	11/16/2020	WG	Flow (in gpm)	2.61	gpm	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	Flow (in gpm)	2.48	gpm	CAMO-20-189312
R-60	1330.0	11/13/2018	WG	Flow (in gpm)	3.61	gpm	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	Flow (in gpm)	2.48	gpm	CAMO-18-148118
R-60	1330.0	11/16/2020	WG	Oxidation-Reduction Potential	96.7	mV	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	Oxidation-Reduction Potential	97.8	mV	CAMO-20-189312
R-60	1330.0	11/13/2018	WG	Oxidation-Reduction Potential	237	mV	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	Oxidation-Reduction Potential	96.6	mV	CAMO-18-148118
R-60	1330.0	05/03/2017	WG	Oxidation-Reduction Potential	85.5	mV	CAMO-17-132236
R-60	1330.0	11/16/2020	WG	pH	8.21	SU	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	pH	8.19	SU	CAMO-20-189312

Location ID	Screen Depth (ft)	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
R-60	1330.0	11/13/2018	WG	pH	8.23	SU	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	pH	8.17	SU	CAMO-18-148118
R-60	1330.0	05/03/2017	WG	pH	8.25	SU	CAMO-17-132236
R-60	1330.0	11/16/2020	WG	Specific Conductance	124	µs/cm	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	Specific Conductance	123.1	µs/cm	CAMO-20-189312
R-60	1330.0	11/13/2018	WG	Specific Conductance	126.4	µs/cm	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	Specific Conductance	124.4	µs/cm	CAMO-18-148118
R-60	1330.0	05/03/2017	WG	Specific Conductance	126.5	µs/cm	CAMO-17-132236
R-60	1330.0	11/16/2020	WG	Temperature	23	deg C	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	Temperature	23.4	deg C	CAMO-20-189312
R-60	1330.0	11/13/2018	WG	Temperature	22.6	deg C	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	Temperature	23.1	deg C	CAMO-18-148118
R-60	1330.0	05/03/2017	WG	Temperature	24	deg C	CAMO-17-132236
R-60	1330.0	11/16/2020	WG	Turbidity	0.42	NTU	CAMO-21-210596
R-60	1330.0	11/15/2019	WG	Turbidity	0.9	NTU	CAMO-20-189312
R-60	1330.0	11/13/2018	WG	Turbidity	2.09	NTU	CAMO-19-164058
R-60	1330.0	11/07/2017	WG	Turbidity	0.99	NTU	CAMO-18-148118
R-60	1330.0	05/03/2017	WG	Turbidity	2.79	NTU	CAMO-17-132236

^a WG = Groundwater.

^b gpm = Gallons per minute.

^c SU = Standard unit.

^d NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

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

Acronyms and Abbreviations

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifiers

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

Analytical Laboratory Qualifiers (continued)

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

Analytical Laboratory Qualifiers (continued)

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

Validation Qualifiers

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

Background Values

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

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

REFERENCE

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

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

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.508	—	—	—	—	0.508	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.51	—	—	—	—	0.51	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.51	—	—	—	—	0.51	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.508	—	—	—	—	0.508	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.306	—	—	—	—	0.306	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.305	—	—	—	—	0.305	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	2.16	14100	—	—	—	1.5	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	14100	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	—	—	8.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	—	—	8.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	—	—	0.01	SU	Y	H	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	—	—	0.01	SU	Y	H	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	—	1.45	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	—	1.45	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	72.9	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.7	—	72.9	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	—	—	68.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	—	—	68.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0816	1.9	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0812	1.9	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0816	1.9	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0812	1.9	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	0.1*r	—	—	0.017	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0415	—	0.1*r	—	—	0.017	mg/L	Y	J	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.07	10	2.7*r	—	—	2.0	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.07	10	2.7*r	—	—	2.0	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25.0	2000	38.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	24.6	2000	38.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	—	—	15.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	—	—	15.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	—	—	0.067	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	—	—	0.067	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6																							

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.4	—	17.03	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.6	—	17.03	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.8	250	2.7	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.73	250	2.7	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.64	50	7.48	—	—	3.0	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.84	50	7.48	—	—	3.0	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	50	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	50	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	—	—	3.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	—	—	3.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	—	—	0.00167	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	—	—	0.00167	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	—	—	0.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	—	—	0.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6																							

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0816	2	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0812	2	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0816	2.37	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0812	2.37	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0816	0.485	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0812	0.485	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.219	1.6	0.377	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.213	1.6	0.377	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.2	—	67.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.6	—	67.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0816	1000	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0812	1000	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	—	—	30.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	—	—	30.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	—	—	0.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	—	—	0.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.45	—	4.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.41	—	4.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	—	—	1.5	µg/L	Y	U	U	N3B-202		

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.24	1000	2.5	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.21	1000	2.5	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.02	200	2.9	—	—	0.6	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.784	200	2.9	—	—	0.6	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.35	10	0.769	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.353	10	0.769	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0816	1.4	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0812	1.4	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0837	3.14	—	—	—	0.0837	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0832	3.14	—	—	—	0.0832	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0816	1.74	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0812	1.74	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.153	42.7	—	—	—	0.153	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.152	42.7	—	—	—	0.152	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.317	13.8	0.414	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.327	13.8	0.414	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.606	70	—	—	—	0.606	ng/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.613	70	—	—	—	0.613	ng/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	1.0	70	—	—	—	0.734	ng/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.743	70	—	—	—	0.743	ng/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.734	70	—	—	—	0.734	ng/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.743	70	—	—	—	0.743	ng/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.102	190	—	—	—	0.102	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.102	190	—	—	—	0.102	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.06	—	2.39	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.05	—	2.39	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0816	9.66	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0812	9.66	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	84.3	—	81.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	85.2	—	81.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.6	—	16	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.6	—	16	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_COND	Y	128.0	—	—	—	—	1.0	uS/cm	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_COND	Y	127.0	—	—	—	—	1.0	uS/cm	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	46.4	11800	157	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	46.4	11800	157	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.83	600	4.59	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.83	600	4.59	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.306	—	—	—	—	0.306	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.305	—	—	—	—	0.305	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*r	—	—	2.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	12000	13*r	—	—	2.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	143.0	1000	161	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	151.0	1000	161	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	0.165*r	—	—	0.033	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	0.165*r	—	—	0.033	mg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.747	—	1.08	—	—	0.33	mg/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.781	—	1.08	—	—	0.33	mg/L	Y	J	J	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	Y	1.0	70	—	—	—	ng/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC	
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	—	70	—	—	—	ng/L	—	U	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.084	—	0.0822*r	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0914	—	0.0822*r	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	—	—	2.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	—	—	2.0	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0816	590	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0812	590	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0816	9.8	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0812	9.8	—	—	—	0.0812	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.306	—	—	—	—	0.306	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.305	—	—	—	—	0.305	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.623	30	1.19	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.649	30	1.19	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.51	63.1	11.4	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	7.23	63.1	11.4	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.34	10000	14.4*r	—	—	3.3	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.98	10000	14.4*r										

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	—	1.45	mg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.3	—	72.9	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	—	—	68.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0816	1.9	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0816	1.9	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.032	—	0.1*r	—	—	0.017	mg/L	Y	J	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	Y	2.24	6	1*r	—	—	1.0	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2.0	10	2.7*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22.1	2000	38.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	—	—	15.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	—	—	0.067	mg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	17.03	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	810	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.93	250	2.7	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	0.187	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	7.3	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.56	50	7.48	—	—	3.0	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	50	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	—	—	3.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	—	—	0.00167	mg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	—	—	0.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	—	—	0.3							

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0816	0.485	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.201	1.6	0.377	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.9	—	67.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0816	1000	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	—	—	30.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	—	—	0.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.24	—	4.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	1240	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	5	—	—	—	1.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.878	1000	2.5	—	—	0.2	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	1.65	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.885	200	2.9	—	—	0.6	µg/L	Y	J	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.318	10	0.769	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0816	1.4	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0837	3.14	—	—	—	0.0837	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0816	1.74	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.153	42.7	—	—	—	0.153	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.299	13.8	0.414	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.591	70	—	—	—	0.591	ng/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.716	70	—	—	—	0.716	ng/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.716	70	—	—	—	0.716	ng/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.102	190	—	—	—	0.102	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.82	—	2.39	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0816	9.66	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.8	—	81.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.19	—	16	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126.0	—	—	—	—	1.0	uS/cm	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.1	11800	157	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.72	600	4.59	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.306	—	—	—	—	0.306	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0816	39.4	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	—	—	0.6	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	Y	3.49	12000	13*r</										

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	—	—	2.0	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0816	590	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0816	9.8	—	—	—	0.0816	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.306	—	—	—	—	0.306	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.446	30	1.19	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.25	63.1	11.4	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	409	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.64	10000	14.4*r	—	—	3.3	µg/L	Y	J	U	N3B-2021-417	CAMO-21-210592	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.503	—	—	—	—	0.503	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.503	—	—	—	—	0.503	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.302	—	—	—	—	0.302	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	14100	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	130	—	—	—	8.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	—	—	0.01	SU	Y	H	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	0.0415	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	0.523	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	—	1.45	mg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.7	—	72.9	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	5000	68*r	—	—	68.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0238	—	0.0167*r	0.0177	0.0435	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0804	1.9	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0804	1.9	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0277	—	0.1*r	—	—	0.017	mg/L	Y	J	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	6	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2.0	10	2.7*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23.3	2000	38.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	4	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	750	18.7*r	—	—	15.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	0.067*r	—	—	0.067	mg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	62	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	83	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	7.54	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	2000	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	5560	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	1000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	2000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	690	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	5	0.11*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.95	—	17.03	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2																						

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	20900	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	80	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	20.3	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	233	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	250	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.93	50	7.48	—	—	3.0	µg/L	Y	J	J	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	50	1*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.214	—	2.65*r	1.54	6.12	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	1000	3*r	—	—	3.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	0.2	0.0017*r	—	—	0.00167	mg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	0.2	—	—	—	0.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	0.05	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	0.0747	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	600	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	75	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	197	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	25	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	7	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	70	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	370	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	3930	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0804	2	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0804	2.37	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0804	0.485	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	455	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	700	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.25	1.6	0.377	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	0.244	15	2.012*r	0.544	2.01	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	N	1.6	—	3.81*r	0.86	2.8	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.7	—	67.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	1.39	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	38	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0804	1000	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	1000	53.8*r	—	—	30.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	5910	—	—	—	15.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	447	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	15	0.5*r	—	—	0.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.36	—	4.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	200	12.1*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	2	0.067*r	—	—	0.067	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	1.91	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	1390	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]</															

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Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0824	3.14	—	—	—	0.0824	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0804	1.74	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.151	42.7	—	—	—	0.151	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.332	13.8	0.414	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.595	70	—	—	—	0.595	ng/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.721	70	—	—	—	0.721	ng/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.721	70	—	—	—	0.721	ng/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.101	190	—	—	—	0.101	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0265	—	0.00994*r	0.0219	0.0615	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00265	—	0.0171*r	0.0109	0.0686	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.78	—	2.39	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	33.4	—	35.6*r	21.9	42.4	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	—	1.5	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	660	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	Y	0.893	5	—	0.175	0.318	—	pCi/L	Y	—	NQ	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	Generic:Radium by Calc	Radium-226 and Radium-228	Ra-226+228	Y	1.01	—	—	0.238	—	—	pCi/L	Y	—	NQ	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:904	Radium-228	Ra-228	N	0.122	5	—	0.162	0.569	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0804	9.66	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	50	1.5*r	—	—	2.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.5	—	81.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	50	0.2*r	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.65	—	16	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	1.12	—	1.93*r	1.33	5.71	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_COND	Y	125.0	—	—	—	—	1.0	uS/cm	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45.0	11800	157	—	—	1.0	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.117	8	0.355*r	0.129	0.493	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	100	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.77	600	4.59	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.302	—	—	—	—	0.302	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	5.74	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	10	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0804	39.4	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	2	0.45*r	—	—	0.6	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	Y	5.91	12000	13*r	—	—	2.5	µg/L	N	J	R	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1.0	12000	13*r	—	—	1.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	1000	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	146.0	1000	161	—	—	3.4	mg/L	Y	—	J	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	0.165*r	—	—	0.033	mg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	1.08	—	—	0.33	mg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	—	70	—	—	—	—	ng/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.082	—	0.0822*r	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	55000	—	—	—	2.0	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	7	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	70	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	200	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	5	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	1140	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	0.00835	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	56	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	60	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0804	590	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0804	9.8	—	—	—	0.0804	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0																							

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Screening Value	Background	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	2	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	193	—	—	—	0.3	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.34	10000	14.4*r	—	—	3.3	µg/L	Y	J	J	N3B-2021-408	CAMO-21-210596	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	2.16	—	—	1.5	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	05/04/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	1.5	µg/L	Y	U	U	2017-1486	CAMO-17-132223	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.16	—	—	0.01	SU	Y	H	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.34	—	—	0.01	SU	Y	H	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.18	—	—	0.01	SU	Y	H	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.5	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.7	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.9	—	—	1.45	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.8	—	—	1.45	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.07	—	—	2	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.07	—	—	2	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.31	—	—	2	µg/L	Y	J	J	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.77	—	—	2	µg/L	Y	J	J	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	1.98	—	—	1.7	µg/L	Y	J	J	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25	—	—	1	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25.8	—	—	1	µg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	26.1	—	—	1	µg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.9	—	—	1	µg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.84	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	14.2	—	—	0.05	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.73	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.67	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.56	—	—	0.067	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.63	—	—	0.067	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.64	—	—	3	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.84	—	—	3	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.55	—	—	3	µg/L	Y	J	J	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	6.58	—	—	3	µg/L	Y	J	J	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.95	—	—	3	µg/L	Y	J	J	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.219	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.213	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.127	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.101	—	—	0.033	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.13	—	—	0.033	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	49.8	—	—	0.453	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.1	—	—	0.453	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium													

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.39	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.54	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.46	—	—	0.11	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.29	—	—	0.11	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.24	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.21	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.26	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	N	1.14	—	—	0.2	µg/L	Y	—	U	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.3	µg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.02	—	—	0.6	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.784	—	—	0.6	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.683	—	—	0.6	µg/L	Y	J	J	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	3	—	—	3	µg/L	Y	U	U	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.35	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.353	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.354	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.351	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.379	—	—	0.017	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.451	—	—	0.017	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.317	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.327	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.321	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.348	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.307	—	—	0.05	µg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.324	—	—	0.05	µg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	1	—	—	0.734	ng/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.743	—	—	0.743	ng/L	Y	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.718	—	—	0.718	ng/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.06	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.03	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.02	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.36	—	—	0.05	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.09	—	—	0.05	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	84.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	85.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	80	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.9	—	—	0.053	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.71	—	—	0.1	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	uS/cm	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	uS/cm	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	109	—	—	1	uS/cm	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	uS/cm	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	1	uS/cm	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	128	—	—	1	uS/cm	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	46.4	—	—	1	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	46.4	—	—	1	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45.8	—	—	1	µg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	44.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	51.9	—	—	1	µg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.																					

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.83	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.76	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.92	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.75	—	—	0.133	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.82	—	—	0.133	mg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	143	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	107	—	—	3.4	mg/L	Y	—	J	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.747	—	—	0.33	mg/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.781	—	—	0.33	mg/L	Y	J	J	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.398	—	—	0.33	mg/L	Y	J	J	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	Y	1	—	—	—	ng/L	Y	J	J	N3B-2021-423	CAMO-21-210588	GELC
R-14 S1	1200.6	11/18/2020	WG	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0	—	—	—	ng/L	—	U	U	N3B-2021-423	CAMO-21-210590	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0	—	—	1.8	ng/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.084	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0914	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0386	—	—	0.02	mg/L	Y	J	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0411	—	—	0.02	mg/L	Y	J	U	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0815	—	—	0.02	mg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0409	—	—	0.02	mg/L	Y	J	J	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.623	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.649	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.742	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.644	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.668	—	—	0.067	µg/L	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.715	—	—	0.067	µg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.51	—	—	1	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	7.23	—	—	1	µg/L	Y	—	NQ	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.8	—	—	1	µg/L	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.27	—	—	1	µg/L	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.24	—	—	1	µg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.34	—	—	3.3	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210587	GELC
R-14 S1	1200.6	11/18/2020	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.98	—	—	3.3	µg/L	Y	J	J	N3B-2021-423	CAMO-21-210589	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	5.75	—	—	3.3	µg/L	Y	J	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-433	CAMO-17-127246	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	2.03	—	—	1.5	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	1.91	—	—	1.5	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	2.5	—	—	1.5	µg/L	Y	J	J	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetone	67-64-1	Y	2.67	—	—	1.5	µg/L	Y	J	J	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	05/04/2017	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	1.5	µg/L	Y	U	U	2017-1486	CAMO-17-132233	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.4	—	—	0.01	SU	Y	H	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.94	—	—	0.01	SU	Y	H	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.93	—	—	0.01	SU	Y	H	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.65	—	—	0.01	SU	Y	H	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.87	—	—	0.01	SU	Y	H	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	H	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.										

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.3	—	—	1.45	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.5	—	—	1.45	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.2	—	—	1.45	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	Y	2.24	—	—	1	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	Y	3.12	—	—	1	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	Y	2.21	—	—	1	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	Y	3.13	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Antimony	Sb	Y	3.16	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	Y	2.57	—	—	1	µg/L	Y	J	J	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Antimony	Sb	Y	2.04	—	—	1	µg/L	Y	J	J	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	Y	1.38	—	—	1	µg/L	Y	J	J	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.7	—	—	1	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	27.7	—	—	1	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	21.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	22.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	22.4	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.67	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.87	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.88	—	—	0.05	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.93	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.73	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.73	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.65	—	—	0.067	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.66	—	—	0.067	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.067	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.56	—	—	3	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.33	—	—	3	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.15	—	—	3	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.23	—	—	3	µg/L	Y	J	J	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Chromium	Cr	Y	5.6	—	—	3	µg/L	Y	J	J	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	6.23	—	—	3	µg/L	Y	J	U	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Chromium	Cr	N	5.81	—	—	3	µg/L	Y	J	U	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.05	—	—	3	µg/L	Y	J	J	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.201	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.14	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.12	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0962	—	—	0.033	mg/L	Y	J	J	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0824	—	—	0.033	mg/L	Y	J	J	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.129	—	—	0.033	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	42.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	42.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	39	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.2	—	—	0.453	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.2	—	—	0.453	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SM:A2340B														

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.24	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.94	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.94	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.42	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.48	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.41	—	—	0.11	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.38	—	—	0.11	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.17	—	—	0.11	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.878	—	—	0.2	µg/L	Y	J	J	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.09	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.04	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.2	µg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.2	µg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.948	—	—	0.2	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.318	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.363	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.36	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.374	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.375	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.392	—	—	0.017	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.315	—	—	0.017	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.352	—	—	0.017	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.299	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.315	—	—	0.05	µg/L	Y	—	J	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.335	—	—	0.05	µg/L	Y	—	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.288	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.352	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.315	—	—	0.05	µg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.333	—	—	0.05	µg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.354	—	—	0.05	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.82	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.07	—	—	0.05	mg/L	Y	—	J+	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.04	—	—	0.05	mg/L	Y	—	J+	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.85	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.81	—	—	0.05	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.83	—	—	0.05	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.19	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.93	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	9.59	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.19	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	9.26	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.14	—	—	0.1	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	8.98	—	—	0.1	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.72	—	—	0.1	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	uS/cm	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	uS/cm	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	111	—	—	1	uS/cm	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	uS/cm	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123										

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	uS/cm	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	uS/cm	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48	—	—	1	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	41.2	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	41.9	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	40.8	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	39.5	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.1	—	—	1	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.72	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.89	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.89	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.89	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.76	—	—	0.133	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.78	—	—	0.133	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.06	—	—	0.133	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	Y	3.49	—	—	2.5	µg/L	N	J	R	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	Y	3.87	—	—	2.5	µg/L	Y	J	J	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	78.6	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	J+	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	N	3.4	—	—	3.4	mg/L	Y	U	UJ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	244	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	104	—	—	3.4	mg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	3.4	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0351	—	—	0.033	mg/L	Y	J	J+	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0587	—	—	0.033	mg/L	Y	J	J	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0821	—	—	0.033	mg/L	Y	J	J	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0715	—	—	0.033	mg/L	Y	J	J	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	05/04/2017	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-1486	CAMO-17-132233	GELC
R-46	1340.0	11/17/2020	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.622	—	—	0.33	mg/L	Y	J	J	N3B-2021-417	CAMO-21-210593	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.56	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.41	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.964	—	—	0.33	mg/L	Y	J	J	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.821	—	—	0.33	mg/L	Y	J	J	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.621	—	—	0.33	mg/L	Y	J	J	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.598	—	—	0.33	mg/L	Y	J	J	2018-790	CAMO-18-148580	GELC
R-46	1340.0	05/04/2017	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.701	—	—	0.33	mg/L	Y	J	J	2017-1486	CAMO-17-132233	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.446	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.074	—	—	0.067	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.448	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.454	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.466	—	—	0.067	µg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.456	—	—	0.067	µg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.543	—	—	0.067	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/17/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.25	—	—	1	µg/L	Y	—	NQ	N3B-2021-417	CAMO-21-210592	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.5	—	—	1	µg/L	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:601														

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.87	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	7.92	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.55	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	7.87	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.55	—	—	1	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.31	—	—	0.01	SU	Y	H	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.26	—	—	0.01	SU	Y	H	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.7	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.7	—	—	1.45	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60	—	—	1.45	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0238	0.0177	0.0435	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0108	0.00808	0.0362	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0035	0.00762	0.0501	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.011	0.00519	0.0327	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.00231	0.00517	0.0576	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.5	—	—	1	µg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.9	—	—	1	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.95	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.86	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	1.12	1.25	5.07	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.572	1.43	4.43	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.463	0.607	2.04	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.439	1.2	4.42	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.237	1.02	3.88	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	3.82	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	—	0.067	mg/L	Y	—	J+	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.84	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.75	—	—	0.067	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.88	—	—	0.067	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.93	—	—	3	µg/L	Y	J	J	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.94	—	—	3	µg/L	Y	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.98	—	—	3	µg/L	Y	J	J	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	5.57	—	—	3	µg/L	Y	J	U	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.14	—	—	3	µg/L	Y	J	J	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.214	1.54	6.12	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.833	1.36	5.47	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.233	0.66	2.46	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	-3.52	1.55	4.26	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	-0.535	1.07	3.98	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.25	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0985	—	—	0.033	mg/L	Y	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.124	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.104	—	—	0.033	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.163	—	—	0.033	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	0.244	0.544	2.01	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	2.55	1.02	3	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	1.1	0.575	1.75	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	0.216	0.649	2.58	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	2.22	0.949	2.94	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB												

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID	
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	N	-0.986	0.774	2.88	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC	
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	2.57	0.817	2.26	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148118	GELC	
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	N	1.68	0.869	2.75	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC	
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	203	4.07	2.88	—	pCi/L	Y	—	NQ	2017-442	CAMO-17-127239	GELC	
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC	
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC	
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	41.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC	
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.9	—	—	0.453	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC	
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.3	—	—	0.453	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC	
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.36	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC	
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.39	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC	
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC	
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.53	—	—	0.11	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC	
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.5	—	—	0.11	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC	
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.832	—	—	0.2	µg/L	Y	J	J	N3B-2021-408	CAMO-21-210596	GELC	
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	N	1.03	—	—	0.2	µg/L	Y	—	U	N3B-2020-367	CAMO-20-189312	GELC	
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.949	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC	
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.978	—	—	0.2	µg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC	
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.2	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC	
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	2.47	2.76	10.2	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC	
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-0.693	2.3	8.34	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC	
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-1.73	1.16	3.95	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC	
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-3.82	2.75	9.37	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC	
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-0.174	2.01	7.15	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC	
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.358	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC	
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.378	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC	
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.409	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC	
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.344	—	—	0.017	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC	
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.366	—	—	0.017	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC	
R-60	1330.0	11/16/2020	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.332	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC	
R-60	1330.0	11/15/2019	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.333	—	—	0.05	µg/L	Y	—	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.348	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC	
R-60	1330.0	11/07/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.374	—	—	0.05	µg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC	
R-60	1330.0	05/03/2017	WG	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.345	—	—	0.05	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC	
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0265	0.0219	0.0615	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC	
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00212	0.00637	0.0385	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC	
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00332	0.0104	0.0342	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC	
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00219	0.00579	0.0322	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC	
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00526	0.00744	0.0609	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC	
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00265	0.0109	0.0686	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC	
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.006	0.0374	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC	
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0182	0.00967	0.0377	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC	
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0197	0.00901	0.0461	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC	
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00263	0.00872	0.0461	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC	
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.78	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC	
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.88	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC	
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC	
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.77	—	—	0.05	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC	
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.86	—	—	0.05	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC	
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	33.4	21.9	42.4	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC	
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	13.5	28.3	46.9	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC	
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	15.7	12.5	20.1	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC	
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	-0.55	22.7	85.7	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC	
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	6.54	15.2	31	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC	
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	Y	0.893	0.175	0.318	—	pCi/L	Y	—	NQ	N3B-2021-408	CAMO-21-210597	GELC	
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	Y	0.259	0.0863	0.207	—	pCi/L	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC	
R-60	1330.0	11/22/2011	WG	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	N	0.0605	0.078	0.29	—	pCi/L	Y	U	U	12-418	CAMO-12-1522	GELC	
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	Generic: Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.01	0.238	—	—	pCi/L	Y	—	NQ	N3B-2021-408	CAMO-21-210597	GELC	
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	Generic: Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.03	0.283	—	—	pCi/L	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC	
R-60	1330.0	11/16/2020	WG	UF																			

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	73	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.6	—	—	0.053	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.65	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.42	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.62	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.25	—	—	0.1	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.91	—	—	0.1	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	1.12	1.33	5.71	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	0.633	1.09	4.55	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	0.342	1.49	2.1	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	-0.411	1.35	5.36	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	1.88	1.19	5.24	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	uS/cm	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	uS/cm	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	uS/cm	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	130	—	—	1	uS/cm	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	254	—	—	1	uS/cm	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45	—	—	1	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	44.3	—	—	1	µg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	41.6	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45	—	—	1	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.117	0.129	0.493	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	0.385	0.15	0.483	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.158	0.079	0.282	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.15	0.121	0.446	—	pCi/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	0.295	0.141	0.463	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.77	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.96	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.02	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.98	—	—	0.133	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.1	—	—	0.133	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	Y	5.91	—	—	2.5	µg/L	N	J	R	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	10	—	—	2.5	µg/L	Y	U	U	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	146	—	—	3.4	mg/L	Y	—	J	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.082	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0364	—	—	0.02	mg/L	Y	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0383	—	—	0.02	mg/L	Y	J	U	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0464	—	—	0.02	mg/L	Y	J	U	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0368	—	—	0.02	mg/L	Y	J	J	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	Y	9.652	1.784	2.994	—	pCi/L	Y	—	NQ	N3B-2021-402	CAMO-21-210597	ARSL
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	N	1.271	0.806	2.575	—	pCi/L	Y	U	U	N3B-2020-398	CAMO-20-189313	ARSL
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	N	2.464	0.926	2.727	—	pCi/L	Y	U	U	N3B-2019-480	CAMO-19-164059	ARSL
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.069	0.698	2.379	—	pCi/L	Y	U	U	2018-835	CAMO-18-148118	ARSL
R-60	1330.0	05/03/2017	WG	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	N	1.851	0.835	2.553	—	pCi/L	Y	U	U	2017-1483	CAMO-17-132236	ARSL
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.506	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.512	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.519	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.5	—	—	0.067	µg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.618	—	—	0.067	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.423	0.0407	0.077	—	pCi/L	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.461	0.0397	0.11	—	pCi/L	Y	—	NQ	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.407	0.0344	0.132	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.386	0.0305	0.0998	—	pCi/L	Y	—	NQ	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.013	0.0186	0.176	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0324	0.0135	0.0552	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.02	0.012	0.107	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0625	0.0151	0.0573	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0568	0.0139	0.0673	—	pCi/L	Y	U	U	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	N	0.145	0.044	0.185	—	pCi/L	Y	U	U	N3B-2021-408	CAMO-21-210597	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.17	0.026	0.0901	—	pCi/L	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.236	0.0291	0.108	—	pCi/L	Y	—	NQ	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.239	0.0271	0.0775	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148118	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.202	0.0218	0.0764	—	pCi/L	Y	—	NQ	2017-442	CAMO-17-127239	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.08	—	—	1	µg/L	Y	—	NQ	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.6	—	—	1	µg/L	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.41	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8	—	—	1	µg/L	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.44	—	—	1	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/16/2020	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.34	—	—	3.3	µg/L	Y	J	J	N3B-2021-408	CAMO-21-210596	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1476	CAMO-17-132216	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 Number	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2021-408	Inorganic	GELC ^a	CAMO-21-210597	11/16/2020	R-60	1330.0	1350.9
N3B-2021-408	Inorganic	GELC	CAMO-21-210596	11/16/2020	R-60	1330.0	1350.9
N3B-2021-408	Organic	GELC	CAMO-21-210597	11/16/2020	R-60	1330.0	1350.9
N3B-2021-408	Rad ^b	GELC	CAMO-21-210597	11/16/2020	R-60	1330.0	1350.9
N3B-2021-417	Inorganic	GELC	CAMO-21-210592	11/17/2020	R-46	1340.0	1360.7
N3B-2021-417	Inorganic	GELC	CAMO-21-210593	11/17/2020	R-46	1340.0	1360.7
N3B-2021-417	Organic	GELC	CAMO-21-210593	11/17/2020	R-46	1340.0	1360.7
N3B-2021-423	Inorganic	GELC	CAMO-21-210589	11/18/2020	R-14 S1 ^c	1200.6	1233.2
N3B-2021-423	Inorganic	GELC	CAMO-21-210588	11/18/2020	R-14 S1	1200.6	1233.2
N3B-2021-423	Inorganic	GELC	CAMO-21-210587	11/18/2020	R-14 S1	1200.6	1233.2
N3B-2021-423	Inorganic	GELC	CAMO-21-210590	11/18/2020	R-14 S1	1200.6	1233.2
N3B-2021-423	Organic	GELC	CAMO-21-210590	11/18/2020	R-14 S1	1200.6	1233.2
N3B-2021-423	Organic	GELC	CAMO-21-210588	11/18/2020	R-14 S1	1200.6	1233.2

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

^b Rad = Radiochemistry.

^c S1 = Screen 1.

