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

EMLA-2021-0084-02-001 December 29, 2020

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

Subject: Submittal of the 2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed, Revision 1

Dear Mr. Pierard:

Enclosed please find two hard copies with electronic files of the "2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed, Revision 1." Enclosure 1 includes an electronic copy of a redline strikeout version of the report that incorporates all changes made in response to the New Mexico Environment Department's draft comments dated August 4, 2020. A copy of the response is provided as Enclosure 2.

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

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

Sincerely,

M Lee Bishop
Digitally signed by M Lee Bishop
Date: 2020.12.16 16:11:07 -07'00'

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

Enclosures:

1. Two hard copies with electronic files (including a redline strikeout version) – 2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed, Revision 1 (EM2020-0681)
2. Two hard copies with electronic files – Response to the New Mexico Environment Department's Draft Comments on the 2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed, May 2020, LANL-20-033, Dated August 4, 2020 (EM2020-0407)

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Response to the New Mexico Environment Department's Draft Comments on the 2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed, May 2020, LANL-20-033, Dated August 4, 2020

INTRODUCTION

To facilitate review of this response, the New Mexico Environment Department's (NMED's) comments are included verbatim. The U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office responses follow each NMED comment. All information associated with analyses of radionuclides is voluntarily provided to NMED in accordance with DOE policy.

SPECIFIC COMMENTS

NMED Comment

1. Section 3.0 Regulatory Criteria, Page 3:

DOE Statement: *"Base-flow monitoring locations are assigned to one of two screening categories—perennial or intermittent-ephemeral—based upon the hydrology of the water body being monitored. This category, along with a site use and hardness value, determines the screening values used for data at each monitoring location. Hardness-dependent screening values used to screen data at each base-flow monitoring location are determined from the 20.6.4.900 New Mexico Administrative Code (NMAC) "Water Quality Standards for Interstate and Intrastate Surface Waters." Hardness-dependent acute and hardness-dependent chronic aquatic life criteria for metals are calculated using the hardness-dependent equations in accordance with the requirements of 20.6.4.900.I NMAC. Hardness-dependent acute and hardness-dependent chronic criteria were used for total recoverable aluminum and dissolved cadmium, chromium. Table 2.1-1 summarizes the deviations from the planned monitoring scope for this PMR."*

NMED Comment: *Section 5.2.1 and 6.2.1 state that there are no baseflow monitoring locations within the MDA C monitoring group. Please explain the purpose of including this narrative in Section 3.0.*

DOE Response

1. Although there are no base-flow monitoring locations within the Material Disposal Area C (MDA C), there are base-flow monitoring locations in Technical Area 16 (TA-16) 260 and the General Surveillance monitoring groups. This text in the MDA C periodic monitoring report (PMR) was included for consistency among the PMRs, and to ensure text was not excluded in other PMRs that include base-flow monitoring locations.

   In monitoring year (MY) 2021 (October 2020–September 2021), a separate base-flow PMR will include all base-flow monitoring locations. The base-flow text will then be removed from all other PMRs.

NMED Comment

2. Section 5.3 Sampling Program Modifications, Page 9.

DOE Statement: *"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 per recommendation in the "Investigation Report for Royal Demolition Explosive in Deep Groundwater"*

NMED Comment: *Please provide a similar narrative for the sampling frequency modification to low-level 1,4-dioxane and nitrosamines from annual to biannual for the 2021 monitoring year.*

DOE Response

2. DOE will revise the report to provide a similar narrative for the low-level 1,4-dioxane and nitrosamines sampling frequency modification from annual to biannual for MY 2021.

NMED Comment

3. Appendix C, Table C-1 Analytical Results from the Periodic Monitoring Event Reported in this Periodic Monitoring Report, Page C-11.

NMED Comment: *No results are reported in Table C-1 for prometon for any of the wells, or for low-level tritium for R-46 and R-60. The MY2020 IFGMP proposed annual sampling for these two constituents for all three wells. Please provide the results or provide an explanation for not including the results in the PMR.*

DOE Response

3. Prometon and sulfolane were added to the New Mexico Water Quality Control Commission toxic pollutants list in December 2018. General Engineering Laboratories, LLC (GELC) was contracted to perform the analysis; however, they were not certified under the U.S. Department of Energy Consolidated Audit Program (DOECAP). GELC became DOECAP certified by December 24, 2019.

   As a result, prometon and sulfolane results from samples collected before GELC was DOECAP certified for prometon and sulfolane analyses (between October 1, 2019, and December 24, 2019) were held within the Environmental Information Management System (EIM) until the samples were reanalyzed and reported under GELC's DOECAP prometon and sulfolane certifications. The hold flag on the prometon and sulfolane results within EIM was not removed. As a result, the data were held within EIM and not included in the data pull for this report.

   All wells scheduled to be analyzed for prometon and sulfolane were successfully sampled and analyzed.

   Appendix C will be revised to include the prometon and sulfolane data that were previously held within EIM as part of Revision 1 of the PMR.

   Well R-46 was sampled for low-level tritium on November 21, 2019. Well R-60 was sampled for low-level tritium on November 15, 2019. Low-level tritium results for R-46 and R-60 were incorrectly coded as "screening" for the laboratory's quality control (QC) reporting option, and therefore not included as part of the PMR.

   The laboratory QC reporting option has been corrected to "standard." Appendix C will be revised to include the low-level tritium results as part of Revision 1 of the PMR.

January 2021
EM2020-0681

2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed, Revision 1

N3B Los Alamos

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

EM2020-0681

2020 Annual Periodic Monitoring Report for the Material Disposal Area C Monitoring Group, Mortandad Canyon Watershed

January 2021

Responsible program director:

Steve Veenis		T2S Program Director	Water Program	12/14/20
Printed Name	Signature	Title	Organization	Date

Responsible N3B representative:

Kim Lebak		Program Manager	N3B Environmental Remediation Program	12/14/20
Printed Name	Signature	Title	Organization	Date

Responsible DOE EM-LA representative:

Arturo Q. Duran	M Lee Bishop Digitally signed by M Lee Bishop Date: 2020.12.16 16:13:07 -07'00'	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents 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 2020 Monitoring Year, October 2019–September 2020," (2020 IFGMP) prepared in accordance with the Compliance Order on Consent.

All active monitoring locations in the MDA 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; there are no base-flow monitoring locations in this monitoring group.

This PMR presents monitoring results for one periodic monitoring event (PME) conducted during the first quarter of monitoring year 2020. In addition to results from this PME, 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.

Groundwater samples collected during the PME were analyzed for all or some of the following analytical groups as specified in the 2020 IFGMP: metals; radionuclides; low-level tritium; semivolatile organic compounds; volatile organic compounds; general inorganic chemicals (including perchlorate); polychlorinated biphenyls; high explosives; low-level 1,4-dioxane; low-level nitrosamines; and per- and polyfluoroalkyl substances. 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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Figures

Tables

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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
EDD	electronic data deliverable
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	General Engineering Laboratories, 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	2020	1	11/12/2019	11/21/2019

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 2020 monitoring year. In addition to results from the PME listed in the table above, results are reported for the previous four PMEs, as well as 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 2020 Monitoring Year, October 2019–September 2020" (2020 IFGMP) (N3B 2019, 700451), 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.

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 2020 IFGMP (N3B 2019, 700451): metals, radionuclides; low-level tritium; semivolatile organic compounds (SVOCs); VOCs; general inorganic chemicals (including perchlorate); polychlorinated biphenyls; high explosives; low-level 1,4-dioxane; low-level nitrosamines; and per- and polyfluoroalkyl substances (PFAS). 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) “WCSF-Interim Facility-Wide Groundwater Monitoring” (LANL 2016, 601812). 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 Rev 4) 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. Purge water will be land-applied if all land application criteria are met.

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. Figure 2.0-1 is an MDA C monitoring group vicinity map. Monitoring locations are shown in Figure 2.0-2.

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.
- Base-flow monitoring locations are assigned to one of two screening categories—perennial or intermittent-ephemeral—based on the hydrology of the water body being monitored. This category, along with a site use and hardness value, determines the screening values used for data at each monitoring location. Hardness-dependent screening values used to screen data at each base-flow monitoring location are determined from the 20.6.4.900 New Mexico Administrative Code (NMAC) “Water Quality Standards for Interstate and Intrastate Surface Waters.” Hardness-dependent acute and hardness-dependent chronic aquatic life criteria for metals are calculated using the hardness-dependent equations in accordance with the

requirements of 20.6.4.900.I NMAC. Hardness-dependent acute and hardness-dependent chronic criteria were used for total recoverable aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements therein. Groundwater data are screened in accordance with section IX of the Consent Order.

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2020 IFGMP (N3B 2019, 700451).

4.2 Comparison of Target Analytes and Method Detection Limits

Several analytes have a range of method detection limits (MDLs). For some of these analytes, the MDL is much lower than for earlier analyses. Table 4.2-1 presents a list of target analytes with MDLs equal to or above screening values. Table 4.2-2 presents a list of 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. The analytical method and analytical laboratory are included in the tables 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 elevation is measured at each groundwater monitoring location before purging and sampling 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 on Figure 4.4-1.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform PME analytical activities are documented in the 2020 IFGMP (N3B 2019, 700451).

Sampling and data validation were conducted using SOPs and other documents that are part of a comprehensive quality assurance/quality control (QA/QC) program. Procedures and other documents include the most current version of the following:

- “WCSF-Interim Facility-Wide Groundwater Monitoring” (N3B-EP2016-0117)
- “Groundwater Sampling” (N3B-SOP-ER-3003)
- “Groundwater Sampling” (IWD-TPMC-LA-16-049)
- “Wireless Connect/Non-connected Component Plan – Standalone Wireless System Name: Groundwater Monitoring Well Data Acquisition System” (N3B-SD-016-CP-032/L2)
- “Locus Mobile Application for Groundwater Data Collection” (N3B-SOP-ER-20324)
- “Groundwater Sampling and Sample Preservation” (N3B-ER-IWD-20088)
- “Manual Groundwater Level Measurements” (N3B-SOP-ER-3001)
- “Groundwater Level Data Processing, Review, and Validation” (N3B-SOP-ER-3004)
- “Validation of Volatile Organic Compound Analytical Data” (N3B-ER-AP-20309)
- “Validation of Semivolatile Organic Compound Analytical Data” (N3B-ER-AP-20310)
- “Validation of LC-MS/MS High Explosive Analytical Data” (N3B-ER-AP-20316)
- “Validation of Organochlorine Pesticide and Polychlorinated Biphenyl Analytical Data” (N3B-ER-AP-20311)
- “Validation of Metals and Cyanide Analytical Data” (N3B-ER-AP-20313)
- “Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data” (N3B-ER-AP-20314)
- “Validation of General Chemistry Analytical Data” (N3B-ER-AP-20315)
- “Validation of Dioxin and Furan Analytical Data” (N3B-ER-AP-20317)
- “Validation of LC-MS/MS Perchlorate Analytical Data” (N3B-ER-AP-20320)

Samples to be collected are planned using 2020 IFGMP Tables 1.7-2, 1.8-1, 1.9-1, 1.11-1, and 2.4-1 through 8.3-1 (N3B 2019, 700451). Sample plans include additional field collection, transportation, and field QA/QC criteria as identified in the N3B project data quality objectives and in the Consent Order. A

sample collection log is created and printed to serve as a chain-of-custody (COC) document and an analytical request form.

Field QA/QC samples consist of field blanks (FBs), equipment rinsate blanks (EQBs), performance evaluation blanks (PEBs), field trip blanks (FTBs), and field duplicates (FDs). The field QA/QC samples are used to detect possible field, transportation, or analytical laboratory contamination; PEBs also track analytical laboratory performance. Differences in analytical results between an FD and its regular sample, for example, may indicate the samples were not uniform, or that significant variation in analysis occurred between the two samples. Detection of analytes in deionized water FBs may indicate contamination of the deionized water source or sample bottles, or contamination from sampling methods, transportation, or the analytical laboratory.

FBs consist of deionized water from the Storm Water Processing Facility that is subjected to the same conditions as regular samples. FBs are collected at a minimum frequency of 10% of all samples and are collected from locations where regular samples for all constituents are collected. FBs are analyzed for the same suites of organic analytes except for high explosives compounds, which are not analyzed in FBs.

EQBs are used to detect any contamination resulting from contaminated equipment or poor decontamination techniques. The EQB is prepared by passing deionized water through unused or decontaminated sampling equipment. EQBs are collected before a well is sampled when necessary.

PEBs are deionized water blanks from the Storm Water Processing Facility submitted as regular samples without any indication they are QA/QC samples. PEBs are used to evaluate contamination from sample transportation and analytical processes. One PEB is collected per sampling campaign and analyzed for total organic carbon and for the full suite of constituents analyzed during the sampling campaign.

FTBs consist of organic-free deionized water prepared by an independent off-site laboratory and accompany regular samples collected for VOC analyses. FTBs are used to identify potential VOC contamination that may occur during sample collection, handling, shipping, or storage, or during the analytical process, and are analyzed for VOCs only. A minimum of one FTB per cooler containing samples for VOC analyses is required. However, to facilitate data validation, one FTB may be included with each sample submitted for VOC analysis.

FDs are collected at a rate of 10% of all samples collected during a sampling campaign. FDs are distributed proportionally among surface water, alluvial groundwater, and intermediate/regional groundwater according to the relative number of samples collected for each type of water. FDs are split samples that provide information about field variation of sampling results as well as analytical laboratory variation. They may reveal sampling techniques and sampling processes with poor reproducibility.

Following sample collection, sampling personnel deliver the samples and the field 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.

In addition to the field QA/QC samples, additional laboratory batch QA/QC samples, such as matrix spikes, duplicates, method blanks, and laboratory control samples, are analyzed to monitor laboratory analytical processes. The laboratory QA/QC process is defined in the appropriate analytical method, N3B's Exhibit "D" Scope of Work and Technical Specifications for Off-Site Analytical Laboratory Services, and/or the Consent Order.

N3B data validation is performed externally by the analytical laboratory and end users of the data, and this data validation process applies a defined set of performance-based criteria to analytical data that may result in qualification of that data. Data validation provides a level of assurance, based on this technical evaluation, of the data quality. N3B validation of chemistry data includes a technical review of the analytical data package, covering the evaluation of both field and laboratory QA/QC samples, the identification and quantitation of analytes, and the effect of QA/QC deficiencies on analytical data, as well as other factors affecting the data quality.

The analytical data are submitted by the analytical laboratory in a pdf data package format and an electronic data deliverable uploaded to the N3B Environmental Information Management System (EIM). The data are then validated both manually and in the EIM autovalidation process, then reviewed by an N3B chemist at the appropriate level, and then fully transferred into EIM.

This validation follows processes described in the N3B validation procedures listed above. Validation qualifiers and reason codes applied during this process are also reviewed and approved by an N3B chemist to assess data usability. The EIM data are then made available to the public in the Intellus New Mexico database (http://intellusnm.com/).

5.2 Analytical Data

Appendix C presents the analytical data for the PME reported in this PMR and from the previous four sampling events. 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 because of analytical problems and/or noncompliance with QA/QC acceptance criteria) during independent validation are considered unusable but are still reported.
  - Laboratory QA/QC results, FTB data, and FB data are not included in the data set.
  - Tracers used for conceptual models are not reported.
  - Watch list data in which water-quality data for certain constituents are not representative or are of questionable representativeness are not reported. The watch list includes deep well screens for which field parameters during purging consistently fail to meet stability criteria as well as the deep well screens that show anomalous chemistry data.
  - All results are reported at all locations.
- For radionuclide data:
  - Constituents analyzed and reported for the gamma spectroscopy suite include cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22.
  - Americium-241 and uranium-235 data from chemical separation alpha spectroscopy are reported. No gamma spectroscopy results for these analytes are presented.
  - All results are reported at all locations.

Multiple analyses of the same analyte in a sample, including dilutions and reanalyses, create redundant 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.

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

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

Table 5.2-1 provides groundwater analytical results for specific analytical suites detected above screening values when applicable. Multiple detections are included except for FD exceedances. For example, if aluminum was detected above the screening value in both a primary sample and a FD, only the primary sample result would be recorded. If aluminum was detected above the screening value in any primary samples, all results would be shown. No analytical results were detected at concentrations greater than screening values; therefore, no results are included in Table 5.2-1.

Graphs in Appendix E display analyte concentration histories for MDA C monitoring group locations where the analyte was detected above the screening value at least once in the following expanded data set, which includes this PME in addition to data for the four previous monitoring group PMEs. Appendix E may include instances in which the analyte data are evaluated using a higher screening value than the screening value 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 Surface Water (Base Flow)

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

5.2.2 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 and low-level nitrosamines 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 will now be analyzed using low-level methods and sampled at the same frequency as the SVOC analytical suite.

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

Appendix A presents the field parameter measurements associated with the sampling and analysis data 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.

DOE (U.S. Department of Energy), July 2002. "A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota," DOE Standard No. DOE-STD-1153-2002, U.S. Department of Energy, Washington, D.C. (DOE 2002, 085637)

DOE (U.S. Department of Energy), April 2011. "Derived Concentration Technical Standard," DOE Standard No. DOE-STD-1196-2011, U.S. Department of Energy, Washington, D.C. (DOE 2011, 600493)

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)

LANL (Los Alamos National Laboratory), August 23, 2016. "Waste Characterization Strategy Form for Groundwater Monitoring," Los Alamos National Laboratory, Los Alamos, New Mexico. (LANL 2016, 601812)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), May 2019. "Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019–September 2020," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2019-0156, Los Alamos, New Mexico. (N3B 2019, 700451)

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)

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)

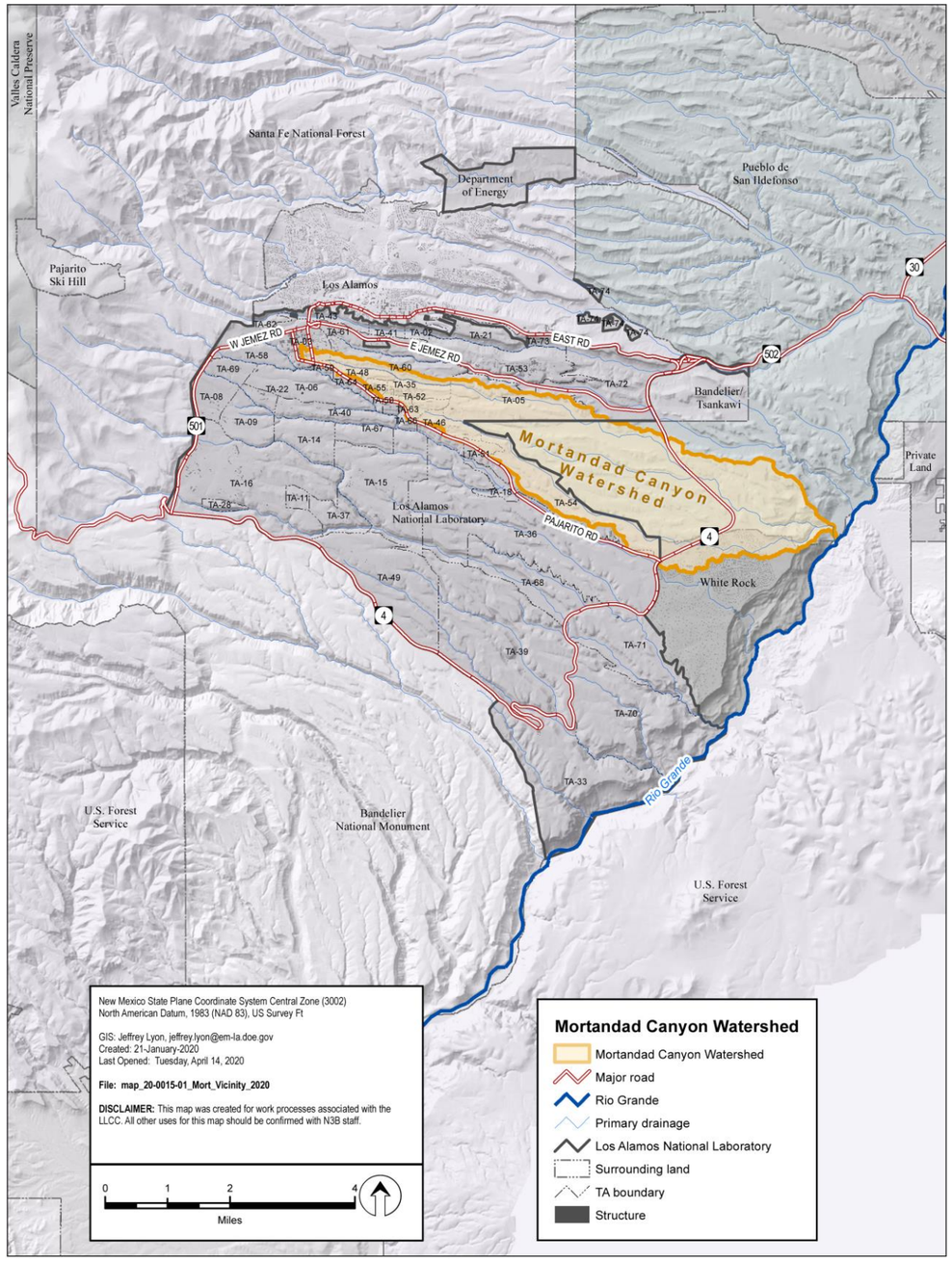

Figure 2.0-1 MDA C monitoring group vicinity map

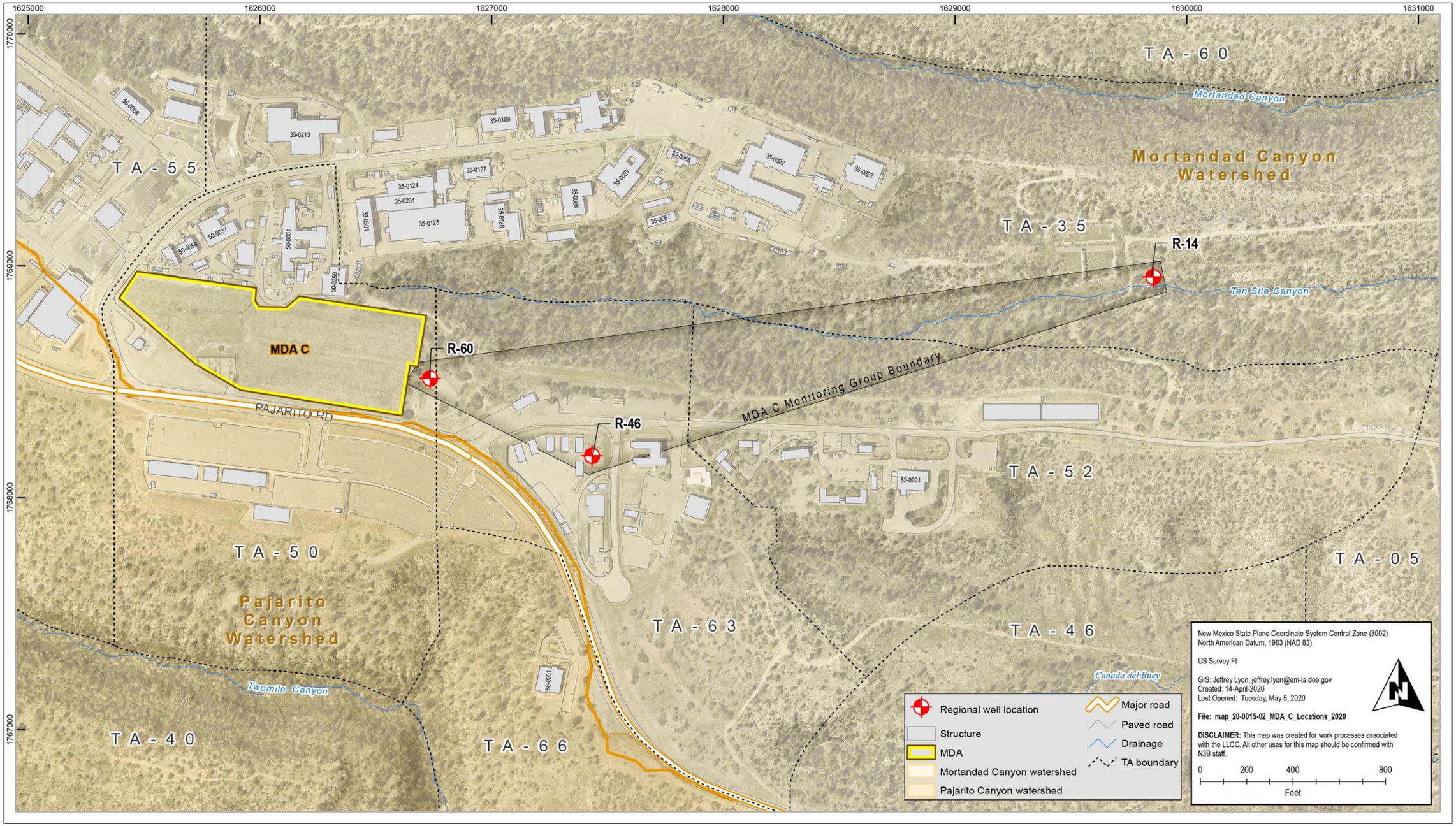

Figure 2.0-2 MDA C monitoring group well locations (see also Table 2.0-1)

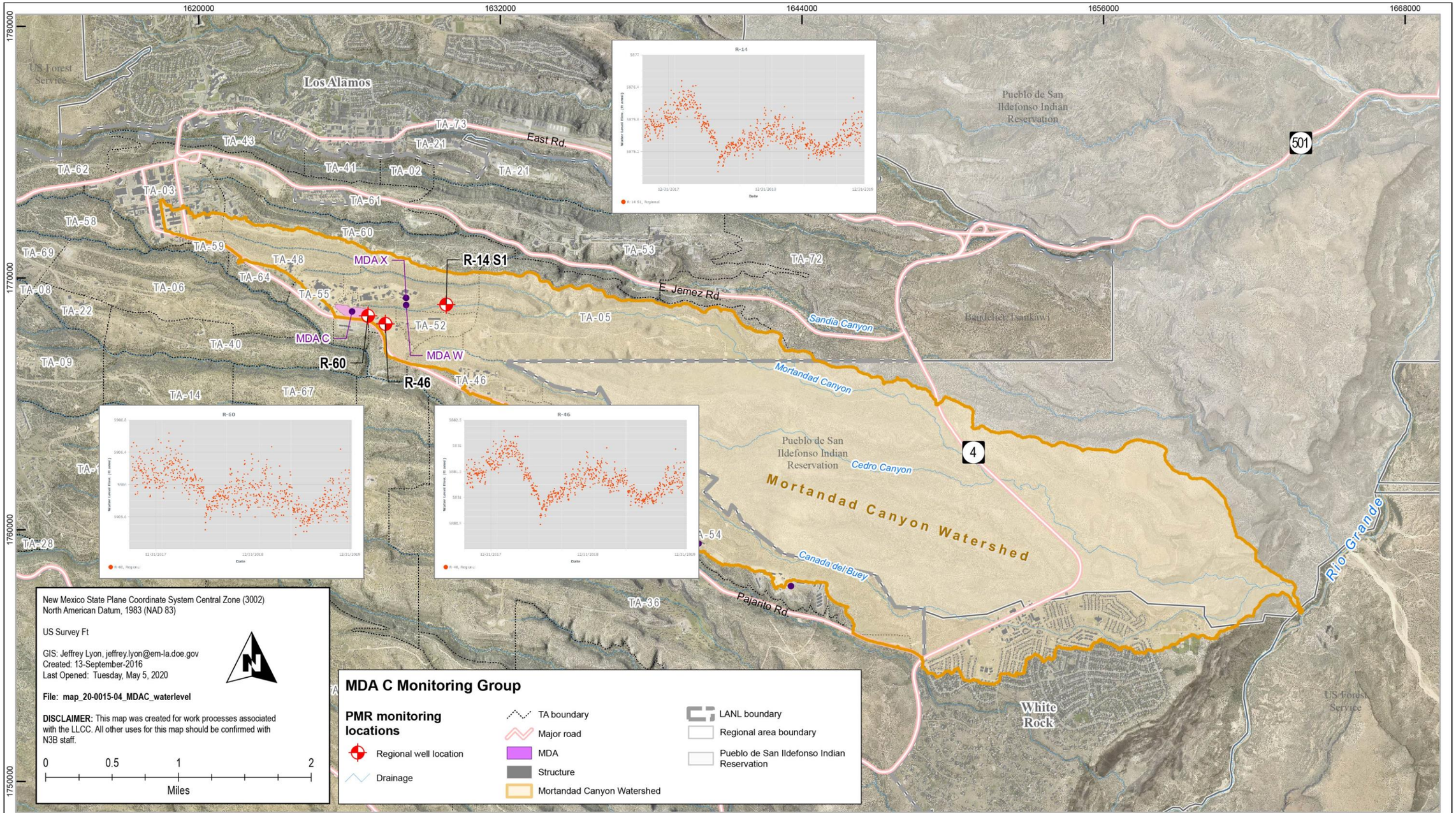

Figure 4.4-1 Groundwater elevations

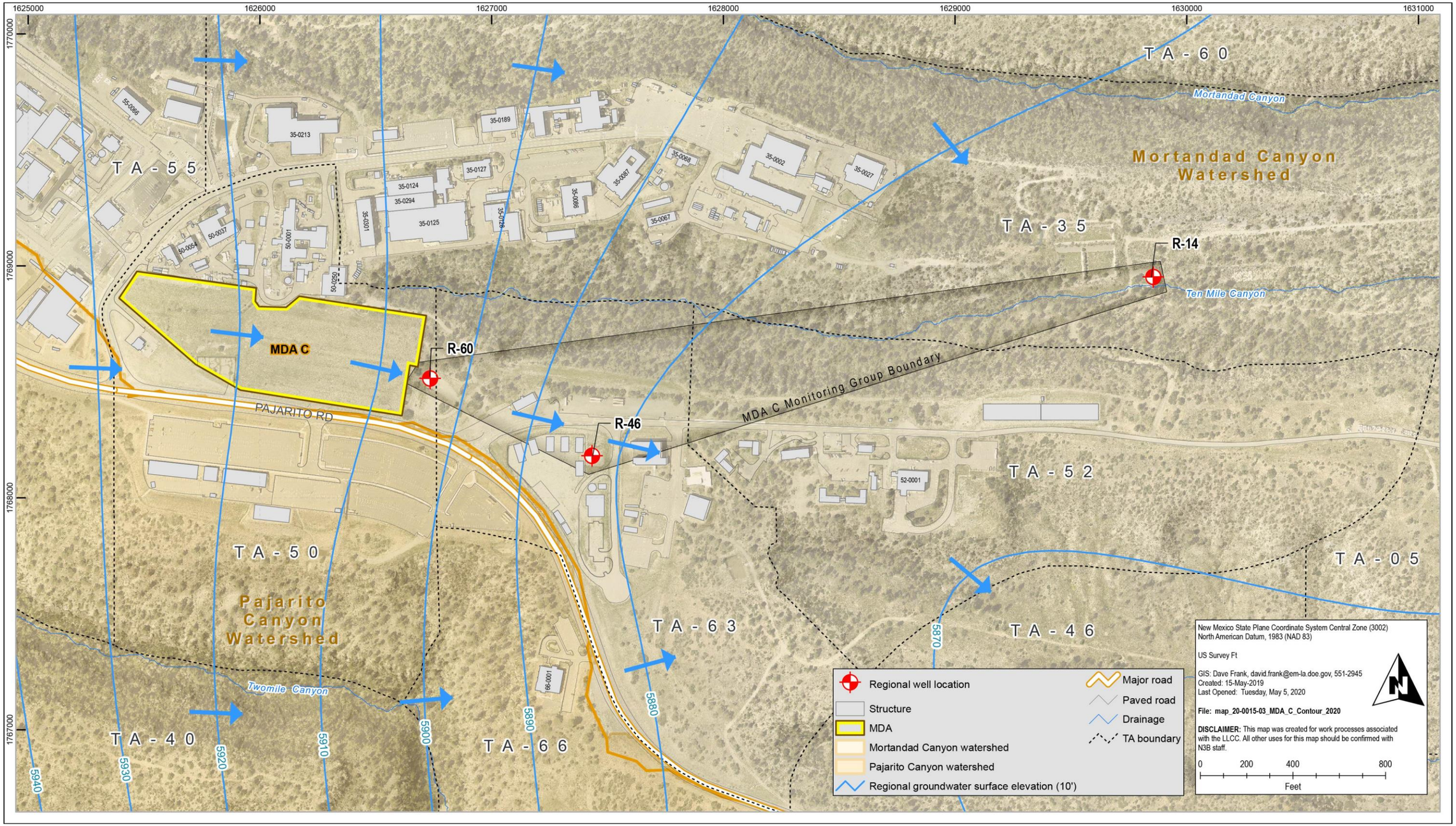

Figure 4.4-2 Regional aquifer water table map with flow direction

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	2020	1	11/12/2019	32.6	1200.6	1233.2	48.0	160.1	6.67
R-46	Mortandad			11/21/2019	20.7	1340	1360.7	51.4	250	5.0
R-60	Mortandad			11/15/2019	20.9	1330	1350.9	39.1	136.4	2.98

[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	2020	1	3.34 CVs[b] purged	n/a[c]	n/a
R-46	Mortandad			4.86 CVs purged	An extra 1.86 CVs purged to allow pH stabilization.	n/a
R-60	Mortandad			3.49 CVs purged	An extra 0.49 CVs purged for dissolved oxygen stabilization.	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 SCRN LVL[a]	GELC[b]
Acrylonitrile	1.5	SW-846:8260B	0.523	µg/L	NMED A1 TAP SCRN LVL	GELC
Chloro-1,3-butadiene[2-]	0.3	SW-846:8260B	0.187	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibromo-3-Chloropropane[1,2-]	0.5	SW-846:8260B	0.2	µg/L	EPA MCL[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 SCRN LVL	GELC
Trichloropropane[1,2,3-]	0.3	SW-846:8260B	0.00835	µg/L	NMED A1 TAP SCRN LVL	GELC
Semivolatile Organic Compounds						
Atrazine	3.0–3.17	SW-846:8270D	3	µg/L	NM GW STD	GELC
Azobenzene	3.0–3.17	SW-846:8270D	1.2	µg/L	EPA TAP SCRN LVL[e]	GELC
Benzidine	3.9–4.13	SW-846:8270D	0.00109	µg/L	NMED A1 TAP SCRN LVL	GELC
Benzo(a)anthracene	0.3–0.317	SW-846:8270D	0.12	µg/L	NMED A1 TAP SCRN LVL	GELC
Benzo(a)pyrene	0.3–0.317	SW-846:8270D	0.2	µg/L	NM GW STD	GELC
Bis(2-chloroethyl)ether	3.0–3.17	SW-846:8270D	0.137	µg/L	NMED A1 TAP SCRN LVL	GELC
Dibenz(a,h)anthracene	0.3–0.317	SW-846:8270D	0.0343	µg/L	NMED A1 TAP SCRN LVL	GELC
Dichlorobenzidine[3,3'-]	3.0–3.17	SW-846:8270D	1.25	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitro-2-methylphenol[4,6-]	3.0–3.17	SW-846:8270D	1.52	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,4-]	3.0–3.17	SW-846:8270D	2.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Dinitrotoluene[2,6-]	3.0–3.17	SW-846:8270D	0.485	µg/L	NMED A1 TAP SCRN LVL	GELC
Hexachlorobenzene	3.0–3.17	SW-846:8270D	1	µg/L	EPA MCL	GELC
Hexachlorobutadiene	3.0–3.17	SW-846:8270D	1.39	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrobenzene	3.0–3.17	SW-846:8270D	1.4	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-butylamine[N-]	3.0–3.17	SW-846:8270D	0.0273	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitroso-di-n-propylamine[N-]	3.0–3.17	SW-846:8270D	0.11	µg/L	EPA TAP SCRN LVL	GELC

Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Nitrosodiethylamine[N-]	3.0–3.37	SW-846:8270D	0.00167	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosodimethylamine[N-]	3.0–3.19	SW-846:8270D	0.00491	µg/L	NMED A1 TAP SCRN LVL	GELC
Nitrosopyrrolidine[N-]	3.0–3.17	SW-846:8270D	0.37	µg/L	NMED A1 TAP SCRN LVL	GELC
Pentachlorophenol	3.0–3.17	SW-846:8270D	1	µg/L	NM GW STD	GELC
Tetrachlorobenzene[1,2,4,5]	3.0–3.17	SW-846:8270D	1.66	µg/L	NMED A1 TAP SCRN LVL	GELC

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

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

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

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

[d] NM GW STD = NMWQCC groundwater standard.

[e] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

Table 4.2-2
Target Analytes with MDLs below Screening Values

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Semivolatile Organic Compounds						
Pentachlorobenzene	3.0–3.17	SW-846:8270D	3.07	µg/L	NMED A1 TAP SCRN LVL[a]	GELC[b]

Note: This table is applicable to samples reported in this PMR. The lower range of MDL is below the screening value, but the upper portion of the range is above the screening value.

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

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

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

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening-Value Type
n/a*	n/a	There are no results above screening values for data reported in this PMR.	n/a	n/a	n/a	n/a	n/a

*n/a = Not applicable.

Appendix A

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

Field Measurement Record #	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
303773	R-14 S1	1200.6	11/12/2019	WG[a]	Dissolved Oxygen	5.91	mg/L	CAMO-20-189303
255736	R-14 S1	1200.6	11/09/2018	WG	Dissolved Oxygen	5.80	mg/L	CAMO-19-164050
210002	R-14 S1	1200.6	11/08/2017	WG	Dissolved Oxygen	5.77	mg/L	CAMO-18-148116
205279	R-14 S1	1200.6	05/04/2017	WG	Dissolved Oxygen	5.72	mg/L	CAMO-17-132223
195685	R-14 S1	1200.6	11/09/2016	WG	Dissolved Oxygen	5.72	mg/L	CAMO-17-127226
303772	R-14 S1	1200.6	11/12/2019	WG	Flow	6.67	gpm[b]	CAMO-20-189303
255735	R-14 S1	1200.6	11/09/2018	WG	Flow	7.14	gpm	CAMO-19-164050
210001	R-14 S1	1200.6	11/08/2017	WG	Flow	7.14	gpm	CAMO-18-148116
205280	R-14 S1	1200.6	05/04/2017	WG	Flow	6.98	gpm	CAMO-17-132223
195686	R-14 S1	1200.6	11/09/2016	WG	Flow	6.98	gpm	CAMO-17-127226
303775	R-14 S1	1200.6	11/12/2019	WG	Oxidation-Reduction Potential	133.9	mV[c]	CAMO-20-189303
255684	R-14 S1	1200.6	11/09/2018	WG	Oxidation-Reduction Potential	167.6	mV	CAMO-19-164050
210004	R-14 S1	1200.6	11/08/2017	WG	Oxidation-Reduction Potential	181.4	mV	CAMO-18-148116
205281	R-14 S1	1200.6	05/04/2017	WG	Oxidation-Reduction Potential	187.9	mV	CAMO-17-132223
195687	R-14 S1	1200.6	11/09/2016	WG	Oxidation-Reduction Potential	171.0	mV	CAMO-17-127226
303715	R-14 S1	1200.6	11/12/2019	WG	pH	8.03	SU[d]	CAMO-20-189303
255686	R-14 S1	1200.6	11/09/2018	WG	pH	8.18	SU	CAMO-19-164050
210011	R-14 S1	1200.6	11/08/2017	WG	pH	8.19	SU	CAMO-18-148116
205285	R-14 S1	1200.6	05/04/2017	WG	pH	8.11	SU	CAMO-17-132223
195688	R-14 S1	1200.6	11/09/2016	WG	pH	8.25	SU	CAMO-17-127226
303717	R-14 S1	1200.6	11/12/2019	WG	Specific Conductance	124.9	µS/cm	CAMO-20-189303
255688	R-14 S1	1200.6	11/09/2018	WG	Specific Conductance	127.4	µS/cm	CAMO-19-164050
210007	R-14 S1	1200.6	11/08/2017	WG	Specific Conductance	127.0	µS/cm	CAMO-18-148116
205282	R-14 S1	1200.6	05/04/2017	WG	Specific Conductance	127.4	µS/cm	CAMO-17-132223
195689	R-14 S1	1200.6	11/09/2016	WG	Specific Conductance	128.6	µS/cm	CAMO-17-127226
303718	R-14 S1	1200.6	11/12/2019	WG	Temperature	23.0	deg C	CAMO-20-189303
255738	R-14 S1	1200.6	11/09/2018	WG	Temperature	22.8	deg C	CAMO-19-164050
210008	R-14 S1	1200.6	11/08/2017	WG	Temperature	23.2	deg C	CAMO-18-148116

Field Measurement Record #	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
205283	R-14 S1	1200.6	05/04/2017	WG	Temperature	23.4	deg C	CAMO-17-132223
195690	R-14 S1	1200.6	11/09/2016	WG	Temperature	22.7	deg C	CAMO-17-127226
303720	R-14 S1	1200.6	11/12/2019	WG	Turbidity	0.35	NTU[e]	CAMO-20-189303
255740	R-14 S1	1200.6	11/09/2018	WG	Turbidity	0.67	NTU	CAMO-19-164050
210010	R-14 S1	1200.6	11/08/2017	WG	Turbidity	0.22	NTU	CAMO-18-148116
205284	R-14 S1	1200.6	05/04/2017	WG	Turbidity	0.20	NTU	CAMO-17-132223
195691	R-14 S1	1200.6	11/09/2016	WG	Turbidity	0.46	NTU	CAMO-17-127226
307188	R-46	1340.0	11/21/2019	WG	Dissolved Oxygen	6.18	mg/L	CAMO-20-189307
256239	R-46	1340.0	11/13/2018	WG	Dissolved Oxygen	6.67	mg/L	CAMO-19-164053
209936	R-46	1340.0	11/07/2017	WG	Dissolved Oxygen	6.72	mg/L	CAMO-18-148117
205272	R-46	1340.0	05/04/2017	WG	Dissolved Oxygen	6.83	mg/L	CAMO-17-132213
195646	R-46	1340.0	11/08/2016	WG	Dissolved Oxygen	6.80	mg/L	CAMO-17-127236
307187	R-46	1340.0	11/21/2019	WG	Flow (in gpm)	5.00	gpm	CAMO-20-189307
256238	R-46	1340.0	11/13/2018	WG	Flow (in gpm)	5.00	gpm	CAMO-19-164053
209935	R-46	1340.0	11/07/2017	WG	Flow (in gpm)	3.75	gpm	CAMO-18-148117
205273	R-46	1340.0	05/04/2017	WG	Flow (in gpm)	4.92	gpm	CAMO-17-132213
195647	R-46	1340.0	11/08/2016	WG	Flow (in gpm)	5.00	gpm	CAMO-17-127236
307190	R-46	1340.0	11/21/2019	WG	Oxidation-Reduction Potential	200.7	mV	CAMO-20-189307
256241	R-46	1340.0	11/13/2018	WG	Oxidation-Reduction Potential	269.8	mV	CAMO-19-164053
209938	R-46	1340.0	11/07/2017	WG	Oxidation-Reduction Potential	150.1	mV	CAMO-18-148117
205274	R-46	1340.0	05/04/2017	WG	Oxidation-Reduction Potential	206.8	mV	CAMO-17-132213
195648	R-46	1340.0	11/08/2016	WG	Oxidation-Reduction Potential	171.6	mV	CAMO-17-127236
307119	R-46	1340.0	11/21/2019	WG	pH	7.21	SU	CAMO-20-189307
256200	R-46	1340.0	11/13/2018	WG	pH	7.96	SU	CAMO-19-164053
209945	R-46	1340.0	11/07/2017	WG	pH	7.99	SU	CAMO-18-148117
205278	R-46	1340.0	05/04/2017	WG	pH	7.86	SU	CAMO-17-132213
195649	R-46	1340.0	11/08/2016	WG	pH	8.01	SU	CAMO-17-127236
307121	R-46	1340.0	11/21/2019	WG	Specific Conductance	120.1	µS/cm	CAMO-20-189307

Field Measurement Record #	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
256202	R-46	1340.0	11/13/2018	WG	Specific Conductance	121.4	µS/cm	CAMO-19-164053
209941	R-46	1340.0	11/07/2017	WG	Specific Conductance	120.1	µS/cm	CAMO-18-148117
205275	R-46	1340.0	05/04/2017	WG	Specific Conductance	120.1	µS/cm	CAMO-17-132213
195650	R-46	1340.0	11/08/2016	WG	Specific Conductance	120.6	µS/cm	CAMO-17-127236
307122	R-46	1340.0	11/21/2019	WG	Temperature	20.3	deg C	CAMO-20-189307
256203	R-46	1340.0	11/13/2018	WG	Temperature	21.1	deg C	CAMO-19-164053
209942	R-46	1340.0	11/07/2017	WG	Temperature	20.8	deg C	CAMO-18-148117
205276	R-46	1340.0	05/04/2017	WG	Temperature	20.8	deg C	CAMO-17-132213
195651	R-46	1340.0	11/08/2016	WG	Temperature	18.3	deg C	CAMO-17-127236
307192	R-46	1340.0	11/21/2019	WG	Turbidity	1.03	NTU	CAMO-20-189307
256243	R-46	1340.0	11/13/2018	WG	Turbidity	0.36	NTU	CAMO-19-164053
209944	R-46	1340.0	11/07/2017	WG	Turbidity	0.29	NTU	CAMO-18-148117
205277	R-46	1340.0	05/04/2017	WG	Turbidity	0.29	NTU	CAMO-17-132213
195652	R-46	1340.0	11/08/2016	WG	Turbidity	0.95	NTU	CAMO-17-127236
304799	R-60	1330.0	11/15/2019	WG	Dissolved Oxygen	5.68	mg/L	CAMO-20-189312
256304	R-60	1330.0	11/13/2018	WG	Dissolved Oxygen	5.94	mg/L	CAMO-19-164058
209947	R-60	1330.0	11/07/2017	WG	Dissolved Oxygen	5.97	mg/L	CAMO-18-148118
205255	R-60	1330.0	05/03/2017	WG	Dissolved Oxygen	5.99	mg/L	CAMO-17-132236
195700	R-60	1330.0	11/10/2016	WG	Dissolved Oxygen	6.08	mg/L	CAMO-17-127239
304798	R-60	1330.0	11/15/2019	WG	Flow (in gpm)	2.98	gpm	CAMO-20-189312
256303	R-60	1330.0	11/13/2018	WG	Flow (in gpm)	3.61	gpm	CAMO-19-164058
209946	R-60	1330.0	11/07/2017	WG	Flow (in gpm)	2.48	gpm	CAMO-18-148118
205256	R-60	1330.0	05/03/2017	WG	Flow (in gpm)	2.75	gpm	CAMO-17-132236
195701	R-60	1330.0	11/10/2016	WG	Flow (in gpm)	2.91	gpm	CAMO-17-127239
304735	R-60	1330.0	11/15/2019	WG	Oxidation-Reduction Potential	97.8	mV	CAMO-20-189312
256352	R-60	1330.0	11/13/2018	WG	Oxidation-Reduction Potential	237.0	mV	CAMO-19-164058
209949	R-60	1330.0	11/07/2017	WG	Oxidation-Reduction Potential	96.6	mV	CAMO-18-148118
205257	R-60	1330.0	05/03/2017	WG	Oxidation-Reduction Potential	85.5	mV	CAMO-17-132236

Field Measurement Record #	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
195702	R-60	1330.0	11/10/2016	WG	Oxidation-Reduction Potential	80.3	mV	CAMO-17-127239
304737	R-60	1330.0	11/15/2019	WG	pH	8.19	SU	CAMO-20-189312
256354	R-60	1330.0	11/13/2018	WG	pH	8.23	SU	CAMO-19-164058
209956	R-60	1330.0	11/07/2017	WG	pH	8.17	SU	CAMO-18-148118
205261	R-60	1330.0	05/03/2017	WG	pH	8.25	SU	CAMO-17-132236
195703	R-60	1330.0	11/10/2016	WG	pH	7.94	SU	CAMO-17-127239
304800	R-60	1330.0	11/15/2019	WG	Specific Conductance	123.1	µS/cm	CAMO-20-189312
256356	R-60	1330.0	11/13/2018	WG	Specific Conductance	126.4	µS/cm	CAMO-19-164058
209952	R-60	1330.0	11/07/2017	WG	Specific Conductance	124.4	µS/cm	CAMO-18-148118
205258	R-60	1330.0	05/03/2017	WG	Specific Conductance	126.5	µS/cm	CAMO-17-132236
195704	R-60	1330.0	11/10/2016	WG	Specific Conductance	126.3	µS/cm	CAMO-17-127239
304801	R-60	1330.0	11/15/2019	WG	Temperature	23.4	deg C	CAMO-20-189312
256357	R-60	1330.0	11/13/2018	WG	Temperature	22.6	deg C	CAMO-19-164058
209953	R-60	1330.0	11/07/2017	WG	Temperature	23.1	deg C	CAMO-18-148118
205259	R-60	1330.0	05/03/2017	WG	Temperature	24.0	deg C	CAMO-17-132236
195705	R-60	1330.0	11/10/2016	WG	Temperature	20.9	deg C	CAMO-17-127239
304803	R-60	1330.0	11/15/2019	WG	Turbidity	0.90	NTU	CAMO-20-189312
256306	R-60	1330.0	11/13/2018	WG	Turbidity	2.09	NTU	CAMO-19-164058
209955	R-60	1330.0	11/07/2017	WG	Turbidity	0.99	NTU	CAMO-18-148118
205260	R-60	1330.0	05/03/2017	WG	Turbidity	2.79	NTU	CAMO-17-132236
195706	R-60	1330.0	11/10/2016	WG	Turbidity	4.00	NTU	CAMO-17-127239

[a]WG = Groundwater.

[b]gpm = Gallons per minute.

[c] mV = millivolts.

[d]SU = Standard unit.

[e]NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes; (2) analytical laboratory 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
METALS, Metals	metals
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry
SVOC, SVOA	semivolatile organic compounds
VOC, VOA	volatile organic compounds
Detect Flag and Best Value Flag Codes	
N	no
Y	yes
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services, Inc.
CFA	Cape Fear Analytical, LLC, Wilmington, NC, Division of the GEL Group, Inc., Charleston SC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifiers

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

Analytical Laboratory Qualifiers (continued)

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

Analytical Laboratory Qualifiers (continued)

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

Validation 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	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.502	—	—	—	µg/L	—	0.502	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.502	—	—	—	µg/L	—	0.502	Y	U	UJ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.301	—	—	—	µg/L	—	0.301	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	535	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	14100	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2020-305	CAMO-20-189304	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	—	—	—	SU	—	0.01	Y	H	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2020-305	CAMO-20-189303	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	62.0	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68 *r	µg/L	—	68.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0123	0.0205	—	0.0167 *r	pCi/L	0.0495	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0802	—	39	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0802	—	39	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0834	—	—	0.1 *r	mg/L	—	0.017	Y	—	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	130	—	µg/L	—	4.2	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	1720	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	6	1 *r	µg/L	—	1.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0346	—	0.5	—	µg/L	—	0.0346	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.31	—	10	2.7 *r	µg/L	—	2.0	Y	J	J	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	3	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	1.2	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25.8	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	0.00109	—	µg/L	—	3.9	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	0.12	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	3.43	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	75000	—	µg/L	—	6.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	2000	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1 *r	µg/L	—	1.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	—	59	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	0.137	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	6	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	—	750	18.7 *r	µg/L	—	15.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067 *r	mg/L	—	0.067	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	—	160	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	5	0.11 *r	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.622	1.3	—	2.93 *r	pCi/L	5.01	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.64	—	250	2.7	mg/L	—	0.067	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	—	1400	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	3.7	—	µg/L	—	3.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	733	—	µg/L	—	0.41	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	91	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.55	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	34.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	50	1 *r	µg/L	—	1.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.22	1.53	—	2.65 *r	pCi/L	6.87	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3 *r	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017 *r	mg/L	—	0.00167	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	0.0343	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	7.9	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	600	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	75	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	1.25	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	45.3	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	—	14800	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	—	612	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	354	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	—	885	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	1.52	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0802	—	2	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	38.7	—	µg/L	—	5.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	2.37	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0802	—	2.37	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	0.485	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0802	—	0.485	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	7	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	4.59	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	4.59	—	µg/L	—	0.1	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	122	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	802	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	288	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.398	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.234	0.715	15	2.012 *r	pCi/L	2.8	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.29	0.882	—	3.81 *r	pCi/L	2.47	—	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.7	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	1.39	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	50	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	3.28	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0802	—	1000	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8 *r	µg/L	—	30.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	781	—	µg/L	—	3.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	15	0.5 *r	µg/L	—	0.5	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.39	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.21	—	200	12.1 *r	µg/L	—	2.0	Y	J	J	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 *r	µg/L	—	0.067	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 *r	µg/L	—	0.067	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	11.4	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	35.1	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	930	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	1900	—	—	µg/L	—	3.7	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.26	—	1000	2.5	µg/L	—	0.2	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC

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R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.964	2.91	—	4.72 *r	pCi/L	10.6	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.683	—	200	2.9	µg/L	—	0.6	Y	J	J	N3B-2020-305	CAMO-20-189303	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	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	190	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	38	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	—	1.4	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0802	—	1.4	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	0.00167	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	0.00167	—	µg/L	—	0.00018	Y	U	U	N3B-2020-303	CAMO-20-189304	SwRI
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	0.00491	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	—	0.00491	—	µg/L	—	0.00036	Y	U	U	N3B-2020-303	CAMO-20-189304	SwRI
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	0.0273	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	0.0273	—	µg/L	—	0.00047	Y	U	U	N3B-2020-303	CAMO-20-189304	SwRI
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	—	0.11	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	0.11	—	µg/L	—	0.00018	Y	U	U	N3B-2020-303	CAMO-20-189304	SwRI
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	0.37	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	0.37	—	µg/L	—	0.00033	Y	U	U	N3B-2020-303	CAMO-20-189304	SwRI
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0822	—	3.14	—	µg/L	—	0.0822	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0802	—	1.74	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.15	—	42.7	—	µg/L	—	0.15	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	9.81	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	3.07	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.321	—	13.8	0.414	µg/L	—	0.05	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.593	—	70	—	ng/L	—	0.593	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.718	—	70	—	ng/L	—	0.718	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.718	—	70	—	ng/L	—	0.718	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.1	—	190	—	µg/L	—	0.1	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	170	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	5	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00766	0.0105	—	0.00994 *r	pCi/L	0.0347	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00766	0.0101	—	0.0171 *r	pCi/L	0.0337	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.03	—	—	2.39	mg/L	—	0.05	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26.2	17.3	—	35.6 *r	pCi/L	64.5	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	RE	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.00	—	250	—	µg/L	—	3.00	Y	UH	UJ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	117	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	20	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.278	0.0868	5	—	pCi/L	0.178	—	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.567	0.195	—	—	pCi/L	5	—	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.288	0.174	5	—	pCi/L	0.576	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0802	—	9.66	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	50	1.5 *r	µg/L	—	2.0	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.1	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	50	0.2 *r	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.8	—	—	16	mg/L	—	0.1	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.72	1.64	—	1.93 *r	pCi/L	5.65	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	109.0	—	—	—	µS/cm	—	1.0	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	45.8	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.074	0.0913	8	0.355 *r	pCi/L	0.306	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.76	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	RE	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.00	—	20	—	µg/L	—	3.00	Y	UH	UJ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.301	—	—	—	µg/L	—	0.301	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	1.66	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	—	240	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0802	—	39.4	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	2	0.45[*r]	µg/L	—	0.6	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13[*r]	µg/L	—	2.5	Y	U	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	149.0	—	1000	161	mg/L	—	3.4	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.0751	—	—	0.165[*r]	mg/L	—	0.033	Y	J	U	N3B-2020-305	CAMO-20-189304	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	—	—	1.08	mg/L	—	0.33	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	70	—	ng/L	—	1.8	—	U	—	N3B-2020-305	CAMO-20-189304	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	—	—	0.0822[*r]	mg/L	—	0.02	Y	J	U	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	70	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	1170	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	11.9	—	µg/L	—	3.0	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0802	—	590	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0802	—	9.8	—	µg/L	—	0.0802	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.301	—	—	—	µg/L	—	0.301	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.717	0.892	20000	2.06[*r]	pCi/L	2.956	—	Y	U	U	N3B-2020-333	CAMO-20-189304	ARSL
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.717	0.892	—	2.06	pCi/L	2.956	—	Y	U	U	N3B-2020-333	CAMO-20-189304	ARSL
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.742	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.532	0.0408	27.2	0.715	pCi/L	0.0614	—	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0232	0.0111	28.8	0.0423[*r]	pCi/L	0.044	—	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.28	0.0295	30	0.336	pCi/L	0.0719	—	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.8	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	5.75	—	10000	14.4[*r]	µg/L	—	3.3	Y	J	U	N3B-2020-305	CAMO-20-189303	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.508	—	—	—	µg/L	—	0.508	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.513	—	—	—	µg/L	—	0.513	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.508	—	—	—	µg/L	—	0.508	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.513	—	—	—	µg/L	—	0.513	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.305	—	—	—	µg/L	—	0.305	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.308	—	—	—	µg/L	—	0.308	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	535	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.317	—	535	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.317	—	—	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	14100	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	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	—	14100	—	µg/L	—	1.5	Y	J	J	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2020-411	CAMO-20-189310	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	—	—	—	SU	—	0.01	Y	H	NQ	N3B-2020-411	CAMO-20-189307	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	—	—	—	SU	—	0.01	Y	H	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
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	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.0	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68[*r]	µg/L	—	68.0	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68[*r]	µg/L	—	68.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0223	0.0104	—	0.0167[*r]	pCi/L	0.0562	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0248	0.0117	—	0.0167[*r]	pCi/L	0.0833	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0812	—	39	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0821	—	39	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0812	—	39	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0821	—	39	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.1[*r]	mg/L	—	0.017	Y	U	UJ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0219	—	—	0.1[*r]	mg/L	—	0.017	Y	J	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	130	—	µg/L	—	4.2	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.44	—	130	—	µg/L	—	4.44	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	1720	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.317	—	1720	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	Y	3.12	—	6	1[*r]	µg/L	—	1.0	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	—	6	1[*r]	µg/L	—	1.0	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0345	—	0.5	—	µg/L	—	0.0345	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0359	—	0.5	—	µg/L	—	0.0359	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.12	—	10	2.7[*r]	µg/L	—	2.0	Y	J	J	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.12	—	10	2.7[*r]	µg/L	—	2.0	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	3	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.17	—	3	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	1.2	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.17	—	1.2	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.7	—	2000	38.1	µg/L	—	1.0	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	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	0.00109	—	µg/L	—	3.9	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.13	—	0.00109	—	µg/L	—	4.13	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	0.12	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.317	—	0.12	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.317	—	0.2	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.317	—	0.343	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.317	—	—	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	3.43	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.317	—	3.43	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	75000	—	µg/L	—	6.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.35	—	75000	—	µg/L	—	6.35	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	2000	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.17	—	2000	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1[*r]	µg/L	—	1.0	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1[*r]	µg/L	—	1.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	—	59	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.17	—	59	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	0.137	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.17	—	0.137	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	6	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.317	—	6	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	19.4	—	750	18.7[*r]	µg/L	—	15.0	Y	J	J	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	20.7	—	750	18.7[*r]	µg/L	—	15.0	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067[*r]	mg/L	—	0.067	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067[*r]	mg/L	—	0.067	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	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	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.17	—	—	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	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	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	—	160	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.317	—	160	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	5	0.11[*r]	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	5	0.11[*r]	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC

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Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.5	—	—	17.03	mg/L	—	0.05	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	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.17	1.08	—	2.93 [*r]	pCi/L	4.55	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.45	1.42	—	2.93 [*r]	pCi/L	4.81	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.77	—	250	2.7	mg/L	—	0.067	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.8	—	250	2.7	mg/L	—	0.067	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	—	1400	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.17	—	1400	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	3.7	—	µg/L	—	3.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.49	—	3.7	—	µg/L	—	3.49	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	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	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	733	—	µg/L	—	0.41	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.434	—	733	—	µg/L	—	0.434	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	91	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.17	—	91	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.17	—	—	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	5.33	—	50	7.48	µg/L	—	3.0	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	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	34.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.317	—	34.3	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	50	1 [*r]	µg/L	—	1.0	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	Cobalt	Co	N	1.0	—	50	1 [*r]	µg/L	—	1.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.2	1.57	—	2.65 [*r]	pCi/L	4.75	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.385	1.21	—	2.65 [*r]	pCi/L	4.75	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3 [*r]	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3 [*r]	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017 [*r]	mg/L	—	0.00167	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017 [*r]	mg/L	—	0.00167	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	0.0343	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.317	—	0.0343	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	7.9	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.17	—	7.9	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	600	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.17	—	600	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.17	—	—	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	75	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.17	—	75	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	1.25	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.17	—	1.25	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	45.3	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.17	—	45.3	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	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	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	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	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	—	14800	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.317	—	14800	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	—	612	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.317	—	612	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	354	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.17	—	354	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	—	885	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.317	—	885	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	1.52	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.17	—	1.52	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0812	—	2	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0821	—	2	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	38.7	—	µg/L	—	5.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.29	—	38.7	—	µg/L	—	5.29	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	2.37	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0812	—	2.37	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.17	—	2.37	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0821	—	2.37	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	0.485	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0812	—	0.485	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.17	—	0.485	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0821	—	0.485	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.317	—	200	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	7	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.17	—	7	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	4.59	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	4.59	—	µg/L	—	0.1	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.17	—	4.59	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	4.59	—	µg/L	—	0.1	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	122	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.17	—	122	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	802	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.317	—	802	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	288	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.317	—	288	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.207	—	1.6	0.377	mg/L	—	0.033	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	N	0.033	—	1.6	0.377	mg/L	—	0.033	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.8	0.912	15	2.012 [Tr]	pCi/L	2.71	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.39	0.439	15	2.012 [Tr]	pCi/L	2.39	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.79	0.93	—	3.81 [Tr]	pCi/L	2.77	—	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	0.906	—	3.81 [Tr]	pCi/L	2.48	—	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	42.4	—	—	67.1	mg/L	—	0.453	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	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.17	—	1	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	1.39	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.17	—	1.39	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	50	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.17	—	50	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	3.28	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.17	—	3.28	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0812	—	1000	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0821	—	1000	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.317	—	0.343	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	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	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8 [*r]	µg/L	—	30.0	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8 [*r]	µg/L	—	30.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	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	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	781	—	µg/L	—	3.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.7	—	781	—	µg/L	—	3.7	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	15	0.5 [*r]	µg/L	—	0.5	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	15	0.5 [*r]	µg/L	—	0.5	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.94	—	—	4.18	mg/L	—	0.11	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	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	200	12.1 [*r]	µg/L	—	2.0	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	200	12.1 [*r]	µg/L	—	2.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 [*r]	µg/L	—	0.067	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 [*r]	µg/L	—	0.067	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 [*r]	µg/L	—	0.067	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 [*r]	µg/L	—	0.067	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	11.4	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.317	—	11.4	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	35.1	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.317	—	35.1	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	930	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.17	—	930	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	1900	—	—	µg/L	—	3.7	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.91	1900	—	—	µg/L	—	3.91	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.09	—	1000	2.5	µg/L	—	0.2	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	—	1000	2.5	µg/L	—	0.2	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.317	—	1.65	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.98	2.48	—	4.72 [*r]	pCi/L	8.54	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.288	2.25	—	4.72 [*r]	pCi/L	8.48	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.958	—	200	2.9	µg/L	—	0.6	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	Nickel	Ni	Y	0.769	—	200	2.9	µg/L	—	0.6	Y	J	J	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	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2020-411	CAMO-20-189307	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	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	190	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.17	—	190	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.17	—	—	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	38	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.17	—	38	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	—	1.4	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0812	—	1.4	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.17	—	1.4	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0821	—	1.4	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.17	—	—	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.17	—	—	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	0.00167	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	0.00167	—	µg/L	—	0.00018	Y	U	U	N3B-2020-414	CAMO-20-189308	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.17	—	0.00167	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	NITROSAMINES	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	0.00167	—	µg/L	—	0.00018	Y	U	U	N3B-2020-414	CAMO-20-189310	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	0.00491	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000621	—	0.00491	—	µg/L	—	0.00036	Y	—	NQ	N3B-2020-414	CAMO-20-189308	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.17	—	0.00491	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	NITROSAMINES	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000521	—	0.00491	—	µg/L	—	0.00036	Y	—	NQ	N3B-2020-414	CAMO-20-189310	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	0.0273	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	0.0273	—	µg/L	—	0.00047	Y	U	U	N3B-2020-414	CAMO-20-189308	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.17	—	0.0273	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	0.0273	—	µg/L	—	0.00047	Y	U	U	N3B-2020-414	CAMO-20-189310	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	—	0.11	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	0.11	—	µg/L	—	0.00018	Y	U	U	N3B-2020-414	CAMO-20-189308	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.17	—	0.11	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	0.11	—	µg/L	—	0.00018	Y	U	U	N3B-2020-414	CAMO-20-189310	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	0.37	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	0.37	—	µg/L	—	0.00033	Y	U	U	N3B-2020-414	CAMO-20-189308	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.17	—	0.37	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	NITROSAMINES	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	0.37	—	µg/L	—	0.00033	Y	U	U	N3B-2020-414	CAMO-20-189310	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0832	—	3.14	—	µg/L	—	0.0832	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0841	—	3.14	—	µg/L	—	0.0841	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0812	—	1.74	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0821	—	1.74	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.152	—	42.7	—	µg/L	—	0.152	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.154	—	42.7	—	µg/L	—	0.154	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	9.81	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.17	—	9.81	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	3.07	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.17	—	3.07	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.17	—	1	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.315	—	13.8	0.414	µg/L	—	0.05	Y	—	J	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.335	—	13.8	0.414	µg/L	—	0.05	Y	—	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.559	—	70	—	ng/L	—	0.559	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.558	—	70	—	ng/L	—	0.558	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.677	—	70	—	ng/L	—	0.677	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.676	—	70	—	ng/L	—	0.676	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.677	—	70	—	ng/L	—	0.677	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.676	—	70	—	ng/L	—	0.676	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	Y	0.123	—	190	—	µg/L	—	0.102	Y	J	J	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	Y	0.113	—	190	—	µg/L	—	0.103	Y	J	J	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	170	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.317	—	170	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	5	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.17	—	5	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0115	0.0136	—	0.00994 *r	pCi/L	0.0564	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0103	0.0346	—	0.00994 *r	pCi/L	0.115	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00148	0.00975	—	0.0171 *r	pCi/L	0.0452	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0284	0.0365	—	0.0171 *r	pCi/L	0.0924	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.07	—	—	2.39	mg/L	—	0.05	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	—	—	2.39	mg/L	—	0.05	Y	—	J+	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.3	18.1	—	35.6 *r	pCi/L	75.5	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	51.7	18.0	—	35.6 *r	pCi/L	35.9	—	Y	UI	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.00	—	250	—	µg/L	—	3.00	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.17	—	250	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	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	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	117	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.317	—	117	—	µg/L	—	0.317	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	20	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.17	—	20	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.115	0.0891	5	—	pCi/L	0.308	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.281	0.11	5	—	pCi/L	0.314	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.03	0.294	—	—	pCi/L	5	—	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.281	0.285	—	—	pCi/L	5	—	Y	—	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.918	0.28	5	—	pCi/L	0.853	—	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	-0.0445	0.263	5	—	pCi/L	0.96	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0812	—	9.66	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0821	—	9.66	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	50	1.5 *r	µg/L	—	2.0	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	50	1.5 *r	µg/L	—	2.0	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.4	—	—	81.9	mg/L	—	0.053	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	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	50	0.2 *r	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	50	0.2 *r	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.93	—	—	16	mg/L	—	0.1	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	—	—	16	mg/L	—	0.1	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.05	1.58	—	1.93 *r	pCi/L	6.84	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.235	1.31	—	1.93 *r	pCi/L	5.34	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121.0	—	—	—	µS/cm	—	1.0	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	111.0	—	—	—	µS/cm	—	1.0	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.0	—	11800	157	µg/L	—	1.0	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	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0613	0.066	8	0.355 *r	pCi/L	0.221	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.102	0.0802	8	0.355 *r	pCi/L	0.267	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.89	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.00	—	20	—	µg/L	—	3.00	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.17	—	20	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.305	—	—	—	µg/L	—	0.305	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.308	—	—	—	µg/L	—	0.308	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	1.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	1.66	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.17	—	1.66	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	—	240	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.17	—	240	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0812	—	39.4	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0821	—	39.4	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	2	0.45[*r]	µg/L	—	0.6	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	2	0.45[*r]	µg/L	—	0.6	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13[*r]	µg/L	—	2.5	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13[*r]	µg/L	—	2.5	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	170.0	—	1000	161	mg/L	—	3.4	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	—	1000	161	mg/L	—	3.4	Y	U	UJ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0587	—	—	0.165[*r]	mg/L	—	0.033	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	—	—	0.165[*r]	mg/L	—	0.033	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.56	—	—	1.08	mg/L	—	0.33	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	—	—	1.08	mg/L	—	0.33	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	70	—	ng/L	—	1.69	—	U	—	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	70	—	ng/L	—	1.69	—	U	—	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.0822[*r]	mg/L	—	0.02	Y	U	U	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.0822[*r]	mg/L	—	0.02	Y	U	U	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	70	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.17	—	70	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	1170	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.17	—	1170	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	11.9	—	µg/L	—	3.0	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.17	—	11.9	—	µg/L	—	3.17	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC

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Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0812	—	590	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0821	—	590	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0812	—	9.8	—	µg/L	—	0.0812	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0821	—	9.8	—	µg/L	—	0.0821	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.305	—	—	—	µg/L	—	0.305	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.308	—	—	—	µg/L	—	0.308	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	-1.444	0.910	20000	2.06	pCi/L	3.078	—	Y	U	U	N3B-2020-444	CAMO-20-189308	ARSL
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.333	0.867	20000	2.06	pCi/L	2.908	—	Y	U	U	N3B-2020-444	CAMO-20-189310	ARSL
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	N	0.067	—	30	1.19	µg/L	—	0.067	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	—	30	1.19	µg/L	—	0.067	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.314	0.0508	27.2	0.715	pCi/L	0.149	—	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	0.0555	27.2	0.715	pCi/L	0.213	—	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0358	0.0205	28.8	0.0423 *r	pCi/L	0.114	—	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0384	0.0264	28.8	0.0423 *r	pCi/L	0.163	—	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.166	0.0367	30	0.336	pCi/L	0.154	—	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.279	0.0565	30	0.336	pCi/L	0.22	—	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.5	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.76	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	9.06	—	10000	14.4 *r	µg/L	—	3.3	Y	J	J	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	7.24	—	10000	14.4 *r	µg/L	—	3.3	Y	J	J	N3B-2020-411	CAMO-20-189309	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.515	—	—	—	µg/L	—	0.515	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.515	—	—	—	µg/L	—	0.515	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.309	—	—	—	µg/L	—	0.309	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.3	—	535	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	14100	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	130	—	µg/L	—	8.0	Y	U	U	N3B-2020-367	CAMO-20-189313	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	—	—	—	SU	—	0.01	Y	H	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	0.0415	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	0.523	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	—	mg/L	—	1.45	Y	U	U	N3B-2020-367	CAMO-20-189312	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	—	—	72.9	mg/L	—	1.45	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	5000	68 *r	µg/L	—	68.0	Y	U	U	N3B-2020-367	CAMO-20-189312	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	—	0.0167 *r	pCi/L	0.0362	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0825	—	39	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0825	—	39	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.095	—	—	0.1 *r	mg/L	—	0.017	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.2	—	130	—	µg/L	—	4.2	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.3	—	1720	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	6	1 *r	µg/L	—	1.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0351	—	0.5	—	µg/L	—	0.0351	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2.0	—	10	2.7[*r]	µg/L	—	2.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.0	—	3	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.0	—	1.2	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.5	—	2000	38.1	µg/L	—	1.0	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	3.9	—	0.00109	—	µg/L	—	3.9	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.3	—	0.12	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.3	—	0.2	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.3	—	3.43	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.0	—	75000	—	µg/L	—	6.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.0	—	2000	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	4	1[*r]	µg/L	—	1.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.0	—	59	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.0	—	0.137	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	6	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15.0	—	750	18.7[*r]	µg/L	—	15.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067[*r]	mg/L	—	0.067	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	62	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	83	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	1.34	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	7.54	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	2000	—	µg/L	—	15.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	5560	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	2000	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	690	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.3	—	160	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	5	0.11[*r]	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.86	—	—	17.03	mg/L	—	0.05	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	810	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	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	—	2.93[*r]	pCi/L	4.43	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.89	—	250	2.7	mg/L	—	0.067	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	0.187	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	7.3	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.0	—	1400	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.3	—	3.7	—	µg/L	—	3.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	1.68	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	20900	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	80	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	20.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.41	—	733	—	µg/L	—	0.41	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.0	—	91	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	233	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	250	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.94	—	50	7.48	µg/L	—	3.0	Y	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.3	—	34.3	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	50	1[*r]	µg/L	—	1.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC

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Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.833	1.36	—	2.65[*r]	pCi/L	5.47	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	1000	3[*r]	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	200	0.0017[*r]	mg/L	—	0.00167	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	0.0343	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.0	—	7.9	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	0.2	—	µg/L	—	0.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	0.05	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	0.0747	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	600	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.0	—	600	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	75	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.0	—	75	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.0	—	1.25	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	197	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	25	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.0	—	45.3	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	370	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	4.71	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	3930	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.3	—	14800	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.3	—	612	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.0	—	354	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.3	—	885	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.0	—	1.52	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0825	—	2	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.0	—	38.7	—	µg/L	—	5.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.0	—	2.37	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0825	—	2.37	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.0	—	0.485	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0825	—	0.485	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.0	—	7	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.0	—	4.59	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	4.59	—	µg/L	—	0.1	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.0	—	122	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	455	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	700	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.3	—	802	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.3	—	288	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0985	—	1.6	0.377	mg/L	—	0.033	Y	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.55	1.02	15	2.012[*r]	pCi/L	3.0	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.96	0.402	—	3.81[*r]	pCi/L	1.26	—	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	38.6	—	—	67.1	mg/L	—	0.453	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	1.39	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.0	—	1.39	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.0	—	50	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.0	—	3.28	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	38	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0825	—	1000	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	0.343	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	1000	53.8 [r]	µg/L	—	30.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	5910	—	µg/L	—	15.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.5	—	781	—	µg/L	—	3.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	447	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	15	0.5 [r]	µg/L	—	0.5	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.39	—	—	4.18	mg/L	—	0.11	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	200	12.1 [r]	µg/L	—	2.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 [r]	µg/L	—	0.067	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	2	0.067 [r]	µg/L	—	0.067	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	1.91	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	1390	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	1240	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	5	—	µg/L	—	1.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.3	—	11.4	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.3	—	35.1	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.0	—	930	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.7	1900	—	—	µg/L	—	3.7	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	N	1.03	—	1000	2.5	µg/L	—	0.2	Y	—	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.3	—	1.65	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	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	—	4.72 [r]	pCi/L	8.34	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.66	—	200	2.9	µg/L	—	0.6	Y	J	J	N3B-2020-367	CAMO-20-189312	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	—	10	0.769	mg/L	—	0.017	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.0	—	190	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.0	—	38	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.0	—	1.4	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0825	—	1.4	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.0	—	—	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.0	—	0.00167	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	Y	0.000183	—	0.00167	—	µg/L	—	0.00018	Y	J	J	N3B-2020-366	CAMO-20-189313	SwRI
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.0	—	0.00491	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	—	0.00491	—	µg/L	—	0.00036	Y	U	U	N3B-2020-366	CAMO-20-189313	SwRI
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.0	—	0.0273	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	0.0273	—	µg/L	—	0.00047	Y	U	UJ	N3B-2020-366	CAMO-20-189313	SwRI
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.0	—	0.11	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	0.11	—	µg/L	—	0.00018	Y	U	U	N3B-2020-366	CAMO-20-189313	SwRI
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.0	—	0.37	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	0.37	—	µg/L	—	0.00033	Y	U	U	N3B-2020-366	CAMO-20-189313	SwRI
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0845	—	3.14	—	µg/L	—	0.0845	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0825	—	1.74	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.155	—	42.7	—	µg/L	—	0.155	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.0	—	9.81	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.0	—	3.07	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.0	—	1	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC

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Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/15/2019	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.333	—	13.8	0.414	µg/L	—	0.05	Y	—	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.599	—	70	—	ng/L	—	0.599	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.726	—	70	—	ng/L	—	0.726	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.726	—	70	—	ng/L	—	0.726	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.103	—	190	—	µg/L	—	0.103	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.3	—	170	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.0	—	5	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	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	—	0.00994 *r	pCi/L	0.0385	—	Y	U	U	N3B-2020-367	CAMO-20-189313	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	0.006	—	0.0171 *r	pCi/L	0.0374	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.88	—	—	2.39	mg/L	—	0.05	Y	—	NQ	N3B-2020-367	CAMO-20-189312	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	—	35.6 *r	pCi/L	46.9	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	RE	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.00	—	250	—	µg/L	—	3.00	Y	UH	UJ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	660	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.3	—	117	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.0	—	20	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	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	5	—	pCi/L	0.207	—	Y	—	NQ	N3B-2020-367	CAMO-20-189313	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	5	—	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.77	0.269	5	—	pCi/L	0.821	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0825	—	9.66	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	50	1.5 *r	µg/L	—	2.0	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	81.9	mg/L	—	0.053	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	50	0.2 *r	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.42	—	—	16	mg/L	—	0.1	Y	—	NQ	N3B-2020-367	CAMO-20-189312	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	—	1.93 *r	pCi/L	4.55	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113.0	—	—	—	µS/cm	—	1.0	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	44.3	—	11800	157	µg/L	—	1.0	Y	—	NQ	N3B-2020-367	CAMO-20-189312	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	8	0.355 *r	pCi/L	0.483	—	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	100	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.96	—	600	4.59	mg/L	—	0.133	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	RE	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.00	—	20	—	µg/L	—	3.00	Y	UH	UJ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.309	—	—	—	µg/L	—	0.309	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.0	—	—	—	deg C	—	—	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.0	—	1.66	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	5.74	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	10	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.0	—	240	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0825	—	39.4	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	2	0.45 *r	µg/L	—	0.6	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	12000	13 *r	µg/L	—	2.5	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	1000	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	180.0	—	1000	161	mg/L	—	3.4	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.165 *r	mg/L	—	0.033	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	—	1.08	mg/L	—	0.33	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	70	—	ng/L	—	1.81	—	U	—	N3B-2020-367	CAMO-20-189313	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	—	—	0.0822 *r	mg/L	—	0.02	Y	J	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	55000	—	µg/L	—	2.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	7	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	70	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.0	—	70	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	200	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	5	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Field Matrix	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Analysis Suite	Lab Method	Parameter Name	Parameter Code	Detected Flag	Report Result	Lab Uncertainty	Screening Value	Background	Report Unit	MDA	MDL	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	1140	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.0	—	1170	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.0	—	11.9	—	µg/L	—	3.0	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	0.00835	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	56	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	60	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0825	—	590	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0825	—	9.8	—	µg/L	—	0.0825	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.309	—	—	—	µg/L	—	0.309	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.271	0.806	20000	2.06	pCi/L	2.575	—	Y	U	U	N3B-2020-398	CAMO-20-189313	ARSL
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.512	—	30	1.19	µg/L	—	0.067	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.423	0.0407	27.2	0.715	pCi/L	0.077	—	Y	—	NQ	N3B-2020-367	CAMO-20-189313	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	28.8	0.0423 [r]	pCi/L	0.0552	—	Y	U	U	N3B-2020-367	CAMO-20-189313	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	30	0.336	pCi/L	0.0901	—	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.6	—	63.1	11.4	µg/L	—	1.0	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	409	—	µg/L	—	1.5	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	2	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	193	—	µg/L	—	0.3	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	10000	14.4 [r]	µg/L	—	3.3	Y	U	U	N3B-2020-367	CAMO-20-189312	GELC

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

Location ID	Screen Depth	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	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	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.4	—	—	0.725	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	60.9	—	—	0.725	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0123	0.0205	0.0495	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00591	0.00935	0.0706	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00447	0.00774	0.0398	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00908	0.00908	0.0754	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0167	0.00725	0.0282	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00396	0.00485	0.0267	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	N	3.5	—	—	1.7	µg/L	Y	J	U	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	2.13	—	—	1.7	µg/L	Y	J	U	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	26.6	—	—	1	µg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25.7	—	—	1	µg/L	Y	—	NQ	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.99	—	—	0.05	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.68	—	—	0.067	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.67	—	—	0.067	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	LCMS/MS Perchlorate	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 Perchlorate	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 Perchlorate	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 Perchlorate	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	11/19/2015	WG	F	INIT	FD	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.333	—	—	0.05	µg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.296	—	—	0.05	µg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.22	1.53	6.87	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.67	2.35	3.32	—	pCi/L	Y	UI	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.76	1.41	4.78	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.448	0.998	4.25	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.03	1.41	6.04	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.17	1.34	5.69	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6020	Chromium	Cr	Y	5.34	—	—	2	µg/L	Y	J	J	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.59	—	—	2	µg/L	Y	J	J	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.622	1.3	5.01	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.332	0.705	2.54	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC

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

Location ID	Screen Depth	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	11/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.671	1.22	4.78	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.699	2.39	4.81	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	5.51	2.75	3.9	—	pCi/L	Y	UI	R	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.409	1.25	4.45	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	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	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.145	—	—	0.033	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.128	—	—	0.033	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.234	0.715	2.8	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0496	0.311	1.41	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.01	0.84	2.92	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.17	0.644	2.09	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.105	0.755	2.95	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.28	0.598	2.32	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.29	0.882	2.47	—	pCi/L	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.54	0.813	2.5	—	pCi/L	Y	—	NQ	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.36	0.926	2.88	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.43	0.572	1.84	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.91	0.897	2.76	—	pCi/L	Y	—	NQ	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.87	0.954	2.84	—	pCi/L	Y	—	NQ	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.717	0.892	2.956	—	pCi/L	Y	U	U	N3B-2020-333	CAMO-20-189304	ARSL
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.563	0.844	2.814	—	pCi/L	Y	U	U	N3B-2019-480	CAMO-19-164051	ARSL
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	2.714	0.999	2.931	—	pCi/L	Y	QU	U	2018-833	CAMO-18-148116	ARSL
R-14 S1	1200.6	05/04/2017	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	1.203	0.659	2.074	—	pCi/L	Y	U	U	2017-1519	CAMO-17-132223	ARSL
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	N	0.303	0.693	2.336	—	pCi/L	Y	U	U	2017-493	CAMO-17-127226	ARSL
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	11/19/2015	WG	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.7	—	—	0.453	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.5	—	—	0.453	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	1.97	—	—	0.05	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.92	—	—	0.05	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26.2	17.3	64.5	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.1	13	35.7	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-33.9	21	70.7	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-8.42	16.3	59.1	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	2.29	18.4	47.6	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	35	17.2	71	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	GELC
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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.42	—	—	0.11	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.3	—	—	0.11	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.21	—	—	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-846:6010C	Manganese	Mn	N	2	—	—	2	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	Manganese	Mn	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-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2016-381	CAMO-16-106072	GELC

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

Location ID	Screen Depth	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	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.165	µg/L	Y	—	NQ	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.3	—	—	0.1	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.72	1.64	5.65	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.347	0.682	2.61	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.698	1.55	6.29	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.683	1.08	4.03	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.14	1.18	4.61	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.11	1.09	4.4	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2016-381	CAMO-16-106119	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	11/19/2015	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	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.345	—	—	0.017	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.964	2.91	10.6	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.52	2	5.29	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.26	2.46	9.44	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.46	2.26	7.14	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.12	2.71	9.86	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.159	2.55	8.85	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	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	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.07	—	—	0.01	SU	Y	H	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00766	0.0105	0.0347	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.011	0.0103	0.0478	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00778	0.0405	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0284	0.0205	0.0659	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0113	0.00598	0.0221	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00768	0.0047	0.0224	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00766	0.0101	0.0337	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0221	0.0103	0.0526	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00275	0.00824	0.0579	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00284	0.00752	0.0498	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000126	0.00597	0.0425	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00384	0.00607	0.0431	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.278	0.0868	0.178	—	pCi/L	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC

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

Location ID	Screen Depth	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	05/11/2005	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	6.27	1.65	6.38	—	pCi/L	Y	U	U	136534	GU0505G14R101	GELC
R-14 S1	1200.6	10/28/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	3.62	6.61	9.65	—	pCi/L	Y	U	U	124695	GU0410G14R101	GELC
R-14 S1	1200.6	07/12/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	8.13	14.1	22.8	—	pCi/L	Y	U	U	116886	GU0407G14R101	GELC
R-14 S1	1200.6	02/09/2004	WG	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	1.75	3.98	6.18	—	pCi/L	Y	U	U	106980	GU0402G14R101	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.567	0.195	—	—	pCi/L	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.288	0.174	0.576	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	80.2	—	—	0.053	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	78.4	—	—	0.053	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	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	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.78	—	—	0.133	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.79	—	—	0.133	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	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	µS/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	µS/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	µS/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	µS/cm	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	3.63	µS/cm	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	3.63	µS/cm	Y	—	NQ	2016-381	CAMO-16-106072	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	1200.6	11/09/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.3	—	—	1	µg/L	Y	—	NQ	2017-433	CAMO-17-127246	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	44.1	—	—	1	µg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.4	—	—	1	µg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.074	0.0913	0.306	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.141	0.0747	0.245	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0426	0.0845	0.348	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.219	0.129	0.426	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.2	0.145	0.487	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0896	0.119	0.482	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	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	11/19/2015	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	187	—	—	3.4	mg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	196	—	—	3.4	mg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/12/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2020-305	CAMO-20-189303	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/09/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-437	CAMO-19-164050	GELC
R-14 S1	1200.6	11/08/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-828	CAMO-18-148113	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	05/04/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1486	CAMO-17-132223	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.736	—	—	0.067	µg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.734	—	—	0.067	µg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.532	0.0408	0.0614	—	pCi/L	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC

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

Location ID	Screen Depth	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	11/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.613	0.0439	0.1	—	pCi/L	Y	—	NQ	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.461	0.0333	0.112	—	pCi/L	Y	—	NQ	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.519	0.038	0.116	—	pCi/L	Y	—	NQ	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.459	0.04	0.108	—	pCi/L	Y	—	NQ	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.428	0.0297	0.0632	—	pCi/L	Y	—	NQ	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0232	0.0111	0.044	—	pCi/L	Y	U	U	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0256	0.011	0.0974	—	pCi/L	Y	U	U	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0391	0.0125	0.0486	—	pCi/L	Y	U	U	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0198	0.00935	0.0783	—	pCi/L	Y	U	U	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0122	0.00912	0.094	—	pCi/L	Y	U	U	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00957	0.00677	0.0552	—	pCi/L	Y	U	U	2016-381	CAMO-16-106098	GELC
R-14 S1	1200.6	11/12/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.28	0.0295	0.0719	—	pCi/L	Y	—	NQ	N3B-2020-305	CAMO-20-189304	GELC
R-14 S1	1200.6	11/09/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.381	0.0344	0.0991	—	pCi/L	Y	—	NQ	N3B-2019-437	CAMO-19-164051	GELC
R-14 S1	1200.6	11/08/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.212	0.0241	0.0658	—	pCi/L	Y	—	NQ	2018-828	CAMO-18-148116	GELC
R-14 S1	1200.6	11/09/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.267	0.0275	0.089	—	pCi/L	Y	—	NQ	2017-433	CAMO-17-127226	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.195	0.027	0.106	—	pCi/L	Y	—	NQ	2016-381	CAMO-16-106070	GELC
R-14 S1	1200.6	11/19/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.25	0.023	0.0624	—	pCi/L	Y	—	NQ	2016-381	CAMO-16-106098	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	11/19/2015	WG	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.89	—	—	1	µg/L	Y	—	NQ	2016-381	CAMO-16-106072	GELC
R-14 S1	1200.6	11/19/2015	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.71	—	—	1	µg/L	Y	—	NQ	2016-381	CAMO-16-106119	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000621	—	—	0.00036	µg/L	Y	—	NQ	N3B-2020-414	CAMO-20-189308	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.000521	—	—	0.00036	µg/L	Y	—	NQ	N3B-2020-414	CAMO-20-189310	SwRI
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.13	—	—	3.13	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.16	—	—	3.16	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.16	—	—	3.16	µg/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.09	—	—	3.09	µg/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	05/04/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	10.6	—	—	3.19	µg/L	Y	U	U	2017-1486	CAMO-17-132233	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	10	—	—	3	µg/L	Y	U	U	2017-389	CAMO-17-127236	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	FD	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	11/08/2016	WG	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	1.5	µg/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	Y	0.123	—	—	0.102	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	Y	0.113	—	—	0.103	µg/L	Y	J	J	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/12/2014	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8321A_MOD	PETN	78-11-5	N	0.535	—	—	0.107	µg/L	Y	UH	UJ	2015-297	CAMO-15-90283	GELC
R-46	1340.0	07/01/2010	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8321A_MOD	PETN	78-11-5	N	1.3	—	—	0.13	µg/L	Y	U	UJ	10-3543	CAMO-10-22890	GELC
R-46	1340.0	05/13/2009	WG	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8321A_MOD	PETN	78-11-5	N	1.3	—	—	0.2	µg/L	Y	U	U	09-1870	CAMO-09-9273	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62	—	—	1.45	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: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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.8	—	—	1.45	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0223	0.0104	0.0562	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0248	0.0117	0.0833	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC

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

Location ID	Screen Depth	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	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00254	0.00568	0.0607	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0153	0.0164	0.0728	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.004	0.0291	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.011	0.00582	0.0327	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00287	0.0144	0.0716	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0115	0.0115	0.0518	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.12	—	—	2	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	Arsenic	As	Y	2.12	—	—	2	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	Arsenic	As	Y	2.22	—	—	2	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	Arsenic	As	N	2	—	—	2	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-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	2	µg/L	Y	U	U	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	1.77	—	—	1.7	µg/L	Y	J	J	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	19.4	—	—	15	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-846:6010C	Boron	B	Y	20.7	—	—	15	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-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	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	Boron	B	N	15	—	—	15	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	Boron	B	N	15	—	—	15	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	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	50	—	—	15	µg/L	Y	U	U	2017-389	CAMO-17-127256	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	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	23.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-459	CAMO-19-164055	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23.1	—	—	1	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.76	—	—	0.067	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	LCMS/MS Perchlorate	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 Perchlorate	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 Perchlorate	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 Perchlorate	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 Perchlorate	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 Perchlorate	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 Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.354	—	—	0.05	µg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.31	—	—	0.05	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.2	1.57	4.75	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.385	1.21	4.75	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC

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

Location ID	Screen Depth	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	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.378	0.669	2.55	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.00577	0.756	2.72	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.21	1.68	6.01	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.87	1.67	6.83	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.94	1.51	4.46	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.962	1.38	5.08	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	6.61	—	—	3	µg/L	Y	J	J	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.17	1.08	4.55	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.45	1.42	4.81	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.565	1.04	2.73	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0656	0.623	2.16	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.23	1.6	5.1	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.55	1.44	4.97	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.96	1.55	6.25	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.381	1.44	5.47	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0953	—	—	0.033	mg/L	Y	J	J	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.8	0.912	2.71	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.39	0.439	2.39	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.03	0.825	2.83	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.19	0.601	1.88	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.372	0.611	2.39	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0384	0.658	2.81	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.411	0.404	1.43	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.374	0.774	2.9	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.79	0.93	2.77	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	3.68	0.906	2.48	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.39	0.721	2.35	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.24	0.766	2.37	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.86	0.62	1.73	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.23	0.733	2.04	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.26	0.545	1.68	—	pCi/L	Y	—	NQ	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.48	0.938	2.99	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	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	Hardness	Hardness	Y	37.7	—	—	0.453	mg/L	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	42.1	—	—	0.453	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	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

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

Location ID	Screen Depth	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	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.91	—	—	0.05	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	15.3	18.1	75.5	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	51.7	18	35.9	—	pCi/L	Y	UI	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.61	11.5	19.8	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	16.4	15.9	24	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-32.2	21.2	70.8	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-22.1	21.1	77.4	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	37.9	20.7	45.7	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	3.56	19	50.4	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.53	—	—	0.11	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.28	—	—	0.3	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.95	—	—	0.1	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.05	1.58	6.84	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.235	1.31	5.34	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.06	0.762	2.74	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.481	0.651	2.26	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.11	1.1	2.9	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.04	1.81	6.86	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.404	1.42	5.57	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.94	1.13	5.25	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.958	—	—	0.6	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	Nickel	Ni	Y	0.769	—	—	0.6	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	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	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-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-790	CAMO-18-148581	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	2	—	—	0.6	µg/L	Y	U	U	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.538	—	—	0.5	µg/L	Y	J	J	2017-389	CAMO-17-127256	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

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

Location ID	Screen Depth	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	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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.368	—	—	0.017	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.98	2.48	8.54	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.288	2.25	8.48	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.674	1.38	4.54	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.04	1.28	4.67	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.65	2.92	8.79	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	7.32	4.12	12.2	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.95	3.09	10.7	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.34	2.66	9.37	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.74	—	—	0.01	SU	Y	H	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0115	0.0136	0.0564	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0103	0.0346	0.115	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0138	0.0105	0.0356	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0058	0.0071	0.0503	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0123	0.0123	0.0606	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00745	0.00589	0.0274	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0101	0.00713	0.0584	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00229	0.00686	0.0267	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00148	0.00975	0.0452	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0284	0.0365	0.0924	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0155	0.0106	0.0392	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0493	0.0133	0.0553	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0205	0.0148	0.0866	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00744	0.00645	0.0392	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00755	0.00755	0.0441	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000152	0.00722	0.0513	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.115	0.0891	0.308	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.281	0.11	0.314	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	1.03	0.294	—	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.281	0.285	—	—	pCi/L	Y	—	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	Y	0.918	0.28	0.853	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	-0.0445	0.263	0.96	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	Y	5.06	—	—	1	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	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

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

Location ID	Screen Depth	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	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	74.3	—	—	0.053	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.82	—	—	0.133	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	121	—	—	1	µS/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	µS/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	µS/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	—	—	1	µS/cm	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	1	µS/cm	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/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	µS/cm	Y	—	NQ	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	120	—	—	1	µS/cm	Y	—	NQ	2017-389	CAMO-17-127256	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.6	—	—	1	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0613	0.066	0.221	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.102	0.0802	0.267	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.208	0.102	0.333	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.192	0.146	0.497	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.211	0.131	0.435	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.203	0.135	0.45	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.307	0.106	0.475	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0151	0.128	0.453	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	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	11/08/2016	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2020-411	CAMO-20-189307	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2020-411	CAMO-20-189309	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-459	CAMO-19-164053	GELC
R-46	1340.0	11/13/2018	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-459	CAMO-19-164055	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-790	CAMO-18-148581	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-790	CAMO-18-148580	GELC

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

Location ID	Screen Depth	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	05/04/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1486	CAMO-17-132233	GELC
R-46	1340.0	05/04/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1486	CAMO-17-132213	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	11/08/2016	WG	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-389	CAMO-17-127236	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	11/08/2016	WG	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.781	—	—	0.33	mg/L	Y	J	J	2017-389	CAMO-17-127236	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	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.513	—	—	0.067	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.314	0.0508	0.149	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.252	0.0555	0.213	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.366	0.0359	0.104	—	pCi/L	Y	—	NQ	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.391	0.0341	0.0949	—	pCi/L	Y	—	NQ	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.462	0.037	0.132	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.407	0.0325	0.122	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.344	0.0322	0.121	—	pCi/L	Y	—	J	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.343	0.0314	0.08	—	pCi/L	Y	—	NQ	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0358	0.0205	0.114	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0384	0.0264	0.163	—	pCi/L	Y	U	U	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0188	0.0113	0.1	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0242	0.0124	0.092	—	pCi/L	Y	U	U	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0525	0.018	0.0571	—	pCi/L	Y	U	U	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0516	0.0132	0.0528	—	pCi/L	Y	U	U	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0138	0.0109	0.0819	—	pCi/L	Y	U	U	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0212	0.00909	0.0698	—	pCi/L	Y	U	U	2016-365	CAMO-16-106109	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.166	0.0367	0.154	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189308	GELC
R-46	1340.0	11/21/2019	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.279	0.0565	0.22	—	pCi/L	Y	—	NQ	N3B-2020-411	CAMO-20-189310	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.186	0.0249	0.102	—	pCi/L	Y	—	NQ	N3B-2019-459	CAMO-19-164054	GELC
R-46	1340.0	11/13/2018	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0218	0.0937	—	pCi/L	Y	—	NQ	N3B-2019-459	CAMO-19-164056	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.265	0.0281	0.0773	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148117	GELC
R-46	1340.0	11/07/2017	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.199	0.0231	0.0715	—	pCi/L	Y	—	NQ	2018-790	CAMO-18-148580	GELC
R-46	1340.0	11/08/2016	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.17	0.0225	0.0929	—	pCi/L	Y	—	NQ	2017-389	CAMO-17-127236	GELC
R-46	1340.0	11/18/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.14	0.0201	0.079	—	pCi/L	Y	—	NQ	2016-365	CAMO-16-106109	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-846:6010C	Vanadium	V	Y	6.76	—	—	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	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

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

Location ID	Screen Depth	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	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-46	1340.0	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.1	—	—	1	µg/L	Y	—	NQ	2017-389	CAMO-17-127256	GELC
R-46	1340.0	11/21/2019	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	9.06	—	—	3.3	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-846:6010C	Zinc	Zn	Y	7.24	—	—	3.3	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-846:6010C	Zinc	Zn	Y	5.21	—	—	3.3	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-846:6010C	Zinc	Zn	Y	4.97	—	—	3.3	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-846:6010C	Zinc	Zn	Y	4.66	—	—	3.3	µg/L	Y	J	J	2018-790	CAMO-18-148114	GELC
R-46	1340.0	11/07/2017	WG	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	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	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-1486	CAMO-17-132213	GELC
R-46	1340.0	11/08/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	4.37	—	—	3.3	µg/L	Y	J	J	2017-389	CAMO-17-127256	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	NITROSAMINES	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	Y	0.000183	—	—	0.00018	µg/L	Y	J	J	N3B-2020-366	CAMO-20-189313	SwRI
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3	—	—	3	µg/L	Y	U	U	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3	—	—	3	µg/L	Y	U	U	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.19	—	—	3.19	µg/L	Y	U	U	2018-790	CAMO-18-148118	GELC
R-60	1330.0	05/03/2017	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	10.8	—	—	3.23	µg/L	Y	U	U	2017-1476	CAMO-17-132236	GELC
R-60	1330.0	11/10/2016	WG	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	11.2	—	—	3.37	µg/L	Y	U	U	2017-442	CAMO-17-127239	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	61.8	—	—	1.45	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00894	0.00774	0.0302	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.3	—	—	1	µg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	—	NQ	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	1.81	—	—	0.067	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.333	—	—	0.05	µg/L	Y	—	J	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	LCMS/MS Perchlorate	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 Perchlorate	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 Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.345	—	—	0.05	µg/L	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/10/2016	WG	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.341	—	—	0.05	µg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.321	1.48	6.06	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.14	—	—	3	µg/L	Y	J	J	2017-442	CAMO-17-127259	GELC

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

Location ID	Screen Depth	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	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.108	1.73	5.59	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.112	—	—	0.033	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0819	0.695	2.81	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.96	0.402	1.26	—	pCi/L	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
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	RE	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.01	0.937	2.92	—	pCi/L	Y	—	NQ	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	39.6	—	—	0.453	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	1.84	—	—	0.05	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-21.5	17.5	70.7	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.46	—	—	0.11	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	9.86	—	—	0.1	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.909	1.41	6.05	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.095	—	—	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:350.1	Ammonia as Nitrogen	NH3-N	N	0.0338	—	—	0.017	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:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0296	—	—	0.017	mg/L	Y	J	J	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.044	—	—	0.017	mg/L	Y	J	U	2017-442	CAMO-17-127259	GELC

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

Location ID	Screen Depth	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	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.66	—	—	0.6	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	Nickel	Ni	N	0.6	—	—	0.6	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-846:6020	Nickel	Ni	Y	0.75	—	—	0.6	µg/L	Y	J	J	2018-790	CAMO-18-148115	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.702	—	—	0.6	µg/L	Y	J	J	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.976	—	—	0.5	µg/L	Y	J	J	2017-442	CAMO-17-127259	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.394	—	—	0.017	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.29	2.78	9.56	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	NQ	2017-442	CAMO-17-127259	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0388	—	—	0.02	mg/L	Y	J	J	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0177	0.00984	0.023	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00197	0.00857	0.0442	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/15/2019	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	11/15/2019	WG	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.77	0.269	0.821	—	pCi/L	Y	U	U	N3B-2020-367	CAMO-20-189313	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.6	—	—	0.053	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.08	—	—	0.133	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	µS/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	µS/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	µS/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	µS/cm	Y	—	NQ	2017-1476	CAMO-17-132216	GELC
R-60	1330.0	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	1	µS/cm	Y	—	NQ	2017-442	CAMO-17-127259	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

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

Location ID	Screen Depth	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	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	41.9	—	—	1	µg/L	Y	—	NQ	2017-442	CAMO-17-127259	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	11/17/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.19	0.0993	0.481	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	NQ	2017-442	CAMO-17-127259	GELC
R-60	1330.0	11/15/2019	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2020-367	CAMO-20-189312	GELC
R-60	1330.0	11/15/2019	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2020-367	CAMO-20-189313	GELC
R-60	1330.0	11/13/2018	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-459	CAMO-19-164059	GELC
R-60	1330.0	11/13/2018	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-459	CAMO-19-164058	GELC
R-60	1330.0	11/07/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-790	CAMO-18-148115	GELC
R-60	1330.0	11/07/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	2018-790	CAMO-18-148118	GELC
R-60	1330.0	05/03/2017	WG	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1476	CAMO-17-132236	GELC
R-60	1330.0	05/03/2017	WG	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	2017-1476	CAMO-17-132216	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
R-60	1330.0	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.527	—	—	0.067	µg/L	Y	—	NQ	2017-442	CAMO-17-127259	GELC
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	11/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.44	0.0365	0.0927	—	pCi/L	Y	—	NQ	2016-362	CAMO-16-106112	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	11/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0211	0.0111	0.0809	—	pCi/L	Y	U	U	2016-362	CAMO-16-106112	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	11/17/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.185	0.0243	0.0915	—	pCi/L	Y	—	NQ	2016-362	CAMO-16-106112	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	11/10/2016	WG	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.47	—	—	1	µg/L	Y	—	NQ	2017-442	CAMO-17-127259	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Values

Zone	Location ID	Screen Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Preparation Code	Analysis Type Code	Field Quality Control Code	Detected	Report Result	Method Detection Limit	Report Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Best Value	Lab Method	Lab ID	Screening Level	Reporting Level Code	Result per Screening Level
Regional	R-46	1340.000	11/21/2019	Inorganic	Antimony	Sb	F[a]	INIT[b]	REG[c]	Y[d]	3.12	1.00	µg/L	1.00	—[e]	NQ[f]	NQ	Y	SW-846:6020B	GELC[g]	6	NM GW STD[h]	0.52

[a] F = Filtered.

[b] INIT = Initial.

[c] REG = Regular.

[d] Y = Yes.

[e] — = None.

[f] NQ = Not qualified.

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

[h] NM GW STD = NMWQCC groundwater standard.

Appendix E

Analytical Chemistry Graphs of
Results with Screening-Value Exceedances

There are no exceedances for this periodic monitoring report.

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody #	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth (ft)	Screen End (Bottom) Depth (ft)
N3B-2020-303	Organic	SwRI[a]	CAMO-20-189304	11/12/2019	R-14 S1[b]	1200.6	1233.2
N3B-2020-305	Inorganic	GELC[c]	CAMO-20-189303	11/12/2019	R-14 S1	1200.6	1233.2
N3B-2020-305	Inorganic	GELC	CAMO-20-189304	11/12/2019	R-14 S1	1200.6	1233.2
N3B-2020-305	Organic	GELC	CAMO-20-189304	11/12/2019	R-14 S1	1200.6	1233.2
N3B-2020-305	Rad[d]	GELC	CAMO-20-189304	11/12/2019	R-14 S1	1200.6	1233.2
N3B-2020-366	Organic	SwRI	CAMO-20-189313	11/15/2019	R-60	1330.0	1350.9
N3B-2020-367	Inorganic	GELC	CAMO-20-189312	11/15/2019	R-60	1330.0	1350.9
N3B-2020-367	Inorganic	GELC	CAMO-20-189313	11/15/2019	R-60	1330.0	1350.9
N3B-2020-367	Organic	GELC	CAMO-20-189313	11/15/2019	R-60	1330.0	1350.9
N3B-2020-367	Rad	GELC	CAMO-20-189313	11/15/2019	R-60	1330.0	1350.9
N3B-2020-411	Inorganic	GELC	CAMO-20-189307	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Inorganic	GELC	CAMO-20-189308	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Inorganic	GELC	CAMO-20-189309	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Inorganic	GELC	CAMO-20-189310	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Organic	GELC	CAMO-20-189308	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Organic	GELC	CAMO-20-189310	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Rad	GELC	CAMO-20-189308	11/21/2019	R-46	1340.0	1360.7
N3B-2020-411	Rad	GELC	CAMO-20-189310	11/21/2019	R-46	1340.0	1360.7
N3B-2020-414	Organic	SwRI	CAMO-20-189308	11/21/2019	R-46	1340.0	1360.7
N3B-2020-414	Organic	SwRI	CAMO-20-189310	11/21/2019	R-46	1340.0	1360.7

[a] SwRI = Southwest Research Institute.

[b] S1 = Screen 1.

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

[d] Rad = Radiochemistry.