Ltr: EMID-702446
Gen Surv PMR: 702460
Base Flow PMR: 702461

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

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November 29, 2022

Mr. Rick Shean
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 2022 Annual Periodic Monitoring Reports for the General Surveillance Monitoring Group and Base-Flow Sampling

Dear Mr. Shean:

Enclosed please find two hard copies each with electronic files of the "2022 Annual Periodic Monitoring Report for the General Surveillance Monitoring Group: Los Alamos and Pueblo Canyon, Mortandad and Sandia Canyon, Water Canyon/Cañon de Valle, Ancho Canyon, White Rock Canyon, and Pajarito Canyon Watersheds" and the "2022 Annual Periodic Monitoring Report for Base-Flow Sampling: Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon Watersheds."

The General Surveillance monitoring group periodic monitoring report (PMR) includes results from sampling campaigns performed during the fourth quarter of monitoring year (MY) 2021 through the third quarter of MY 2022.

The base-flow sampling PMR includes validated results from (1) General Surveillance monitoring group base-flow locations for the fourth quarter of MY 2021 through the third quarter of MY 2022 and (2) Technical Area 16 260 base-flow locations for the fourth quarter of MY 2021 and the second quarter of MY 2022. In addition to results from the current periodic monitoring events (PMEs), results are reported for the previous four PMEs as well as base-flow data that have not yet been reported because the validated laboratory data were not available at the time of the previous publications.

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 Ryan Flynn at (505) 470-0624 (ryan.flynn@em-la.doe.gov) or Hai Shen at (505) 709-7600 (hai.shen@em.doe.gov).

Sincerely,

ARTURO DURAN

Digitally signed by ARTURO DURAN
Date: 2022.11.26 08:58:54 -07'00'

Arturo Q. Duran
Compliance and Permitting Manager
U.S. Department of Energy
Environmental Management
Los Alamos Field Office

Enclosures: Two hard copies with electronic files:

1. 2022 Annual Periodic Monitoring Report for the General Surveillance Monitoring Group: Los Alamos and Pueblo Canyon, Mortandad and Sandia Canyon, Water Canyon/Cañon de Valle, Ancho Canyon, White Rock Canyon, and Pajarito Canyon Watersheds (EM2022-0747)
2. 2022 Annual Periodic Monitoring Report for Base-Flow Sampling: Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon Watersheds (EM2022-0661)

cc (letter with CD/DVD enclosure[s]):
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Dino Chavarria, Santa Clara Pueblo, NM
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November 2022
EM2022-0661

2022 Annual Periodic Monitoring Report for Base-Flow Sampling: Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon Watersheds

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.

EM2022-0661

2022 Annual Periodic Monitoring Report for Base-Flow Sampling: Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon Watersheds

November 2022

Responsible program director:

Printed Name	Signature	Title	Organization	Date
Ryan Flynn		Program Director	Water Program	11/18/22

Responsible N3B representative:

Printed Name	Signature	Title	Organization	Date
Troy Thomson	For	Program Manager	N3B Environmental Remediation Program	11/21/22

Responsible DOE EM-LA representative:

Printed Name	Signature	Title	Organization	Date
Arturo Q. Duran	ARTURO DURAN Digitally signed by ARTURO DURAN Date: 2022.11.26 08:49:12 -07'00'	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents validated results for samples collected from base-flow locations as part of the monitoring conducted by the Newport News Nuclear BWXT-Los Alamos, LLC, groundwater monitoring program that have not been previously reported. The U.S. Geological Survey defines base flow as the groundwater input to surface water. (https://www.usgs.gov/special-topics/water-science-school/science/base-flow-rivers).

All monitoring work reported in this PMR was conducted pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan for the 2021 Monitoring Year, October 2020–September 2021, Revision 1" (2021 IFGMP) and the "Interim Facility-Wide Groundwater Monitoring Plan for the 2022 Monitoring Year, October 2021–September 2022, Revision 1" (2022 IFGMP). Both documents prepared in accordance with the 2016 Compliance Order on Consent.

All base-flow locations monitored are located within the Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon watersheds.

This PMR presents base-flow monitoring results from the General Surveillance monitoring group for the fourth quarter of monitoring year (MY 2021) and the first, second and third quarters of MY 2022 and from Technical Area 16 260 base-flow locations for the fourth quarter of MY 2021 and the second quarter of MY 2022. In addition to results from the current periodic monitoring events (PMEs), results are reported for the previous four PMEs as well as base-flow data that have not yet been reported because the validated laboratory data were not available at the time of the previous publications.

Base-flow samples collected during the PMEs were analyzed for all or some of the following analytical groups as specified in the 2021 and 2022 IFGMPs: metals; volatile organic compounds; semivolatile organic compounds; low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances; polychlorinated biphenyls; high-explosives compounds and Royal Demolition Explosive degradation products; dioxins and furans; radionuclides (including low-level tritium); and general inorganic chemicals (including perchlorate). Additionally, the following field parameters were measured: dissolved oxygen, flow rate (in gallons per minute), pH, specific conductance, temperature, and turbidity.

Six analytical results reported in this PMR were detected above applicable screening values. These screening values were for unfiltered aluminum, unfiltered iron, and unfiltered dioxins.

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Plate 1	Base-flow measurements

Acronyms and Abbreviations

asl	above sea level
ARSL	American Radiation Services, Inc.
CFA	Cape Fear Analytical, LLC
COC	chain of custody
Consent Order	Compliance Order on Consent
DO	dissolved oxygen
DOE	Department of Energy (U.S.)
DQO	data quality objective
EIM	Environmental Information Management (database)
EPA	Environmental Protection Agency (U.S.)
EQB	equipment rinsate blank
F	filtered
FB	field blank
FD	field duplicate
FTB	field trip blank
GELC	GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC
gpm	gallons per minute
HE	high explosives
ID	identification
INIT	Initial
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
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
NM Human Health OO	NMWQCC human-health organism only, surface water quality standard
NMWQCC	New Mexico Water Quality Control Commission
NQ	not qualified
NTU	nephelometric turbidity unit
PEB	performance evaluation blank
PFAS	per- and polyfluoroalkyl substances

PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
Rad	Radiography
REG	Regular
SAP	sampling and analysis plan
SOP	standard operating procedure
SU	standard unit
TA	technical area
UF	unfiltered
USFS	U.S. Forest Service
Y	yes (best-value flag code)

1.0 INTRODUCTION

This annual periodic monitoring report (PMR) for base-flow sampling provides documentation of the following periodic monitoring events (PMEs) conducted by Newport News Nuclear BWXT-Los Alamos, LLC (N3B):

Watershed	PMEs Reported in this PMR		PME Field Sampling	
	Monitoring Year	Quarter	Begin	End
Los Alamos Canyon	2022	1	Not sampled[a]	—[b]
		3	Not sampled	—
Sandia Canyon	2021	4	07/30/2021	07/30/2021
Water Canyon	2021	4	Not sampled[a]	—
	2022	2	03/11/2022	03/11/2022
White Rock Canyon	2022	1	10/04/2021	10/12/2021
		3	04/13/2022	04/13/2022
Pajarito Canyon	2021	4	Not sampled[a]	—
	2022	2	03/08/2022	03/08/2022
	2022	3	Not sampled[a]	—

[a] Site was not sampled because it was dry.

[b] — = Not applicable.

This annual base-flow sampling PMR is submitted to the New Mexico Environment Department (NMED) every November. This PMR presents validated base-flow monitoring results from the General Surveillance monitoring group for monitoring year (MY) 2021 Quarter 4 and MY 2022 Quarter 1, Quarter 2, and Quarter 3 and the Technical Area 16 (TA-16) 260 monitoring group for MY 2021 Quarter 4 and MY 2022 Quarter 2.

In addition to results from the 10 PMEs listed in the table above, results are reported for the previous 4 PMEs as well as for earlier base-flow data that have not yet been reported because the validated laboratory data were not available at the time of the previous publications.

The PMEs reported in this PMR include sampling of base-flow locations pursuant to the “Interim Facility-Wide Groundwater Monitoring Plan for the 2021 Monitoring Year, October 2020–September 2021, Revision 1” (2021 IFGMP) (N3B 2020, 701041) and the “Interim Facility-Wide Groundwater Monitoring Plan for the 2022 Monitoring Year, October 2021–September 2022, Revision 1” (2022 IFGMP) (N3B 2021, 701672), both prepared in accordance with the 2016 Compliance Order on Consent (Consent Order).

Surface water screening levels are used to evaluate base flow locations for the potential for unacceptable risk because of release of site-related contaminants to surface waters other than from permitted discharges.

The Consent Order does not establish screening levels or cleanup levels for contaminants in surface water (base flows). Applicable New Mexico Water Quality Standards for Interstate and Intrastate Surface Waters (20.6.4 New Mexico Administrative Code [NMAC]) are used as screening levels for base flows.

This report presents the following:

- general background information on the base-flow locations addressed in this PMR,
- scope of activities for the base-flow locations addressed in this PMR,
- regulatory criteria for screening analysis,
- monitoring results (field parameters),
- analytical data results, and
- a summary of the monitoring data and the results of screening analysis.

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

1.1 Background

Most of the monitoring locations discussed in the 2021 IFGMP (N3B 2020, 701041) and 2022 IFGMP (N3B 2021, 701672) are assigned to six area-specific monitoring groups related to project areas that may be located in more than one watershed. Locations not included within one of these six area-specific monitoring groups are assigned to the General Surveillance monitoring group. The base-flow locations in this PMR are assigned to the General Surveillance monitoring group and the TA-16 260 monitoring group.

The TA-16 260 monitoring group was established for the upper Water Canyon/Cañon de Valle watershed to monitor contaminants released from former Consolidated Unit 16-021(c)-99, which is the TA-16 260 Outfall (hereafter, the 260 Outfall), and other sites at TA-16. TA-16 was established to develop explosive formulations, cast and machine explosive charges, and assemble and test explosive components for the nuclear weapons program. The 260 Outfall is a former high explosives (HE) machining outfall that discharged water containing inorganic chemicals and HE to Cañon de Valle from 1951 through 1996. These discharges contaminated soils, sediments, surface waters, spring waters, and both perched-intermediate and regional groundwater at TA-16.

General Surveillance monitoring group locations are sited across the Pajarito Plateau in all major watersheds. Some are upgradient of project-specific areas or occupy areas where contamination was historically present but where concentrations have since decreased and are stable and below standards. Most General Surveillance monitoring group locations are well characterized and have a long history of sampling data. Some locations show little or no contamination, while others show residual contamination from past operations or effluent releases.

Monitoring objectives for the General Surveillance monitoring group locations include the following:

- continue monitoring long-term water-quality trends;
- continue verifying decreased contaminant trends at General Surveillance monitoring group locations in some watersheds (Los Alamos, Sandia, and Mortandad);
- monitor for potential impacts from ongoing operations under DOE requirements for environmental surveillance; and
- continue surveillance for potential impacts to the groundwater at Los Alamos National Laboratory (the Laboratory), as expressed at the springs in White Rock Canyon.

This annual PMR presents base-flow sampling results for the Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon watersheds (Figures 1.1-1 and 1.1-2).

Los Alamos Canyon Watershed

The entire Los Alamos Canyon watershed includes Pueblo, Guaje, Rendija, Bayo, and Barrancas Canyons, as well as smaller tributary canyons (e.g., Acid and DP Canyons) (Figures 1.1-1 and 1.1-2). The highest point in the watershed is at the summit of Pajarito Mountain at an elevation of 10,441 ft above sea level (asl). The watershed extends eastward from the headwaters across the Pajarito Plateau for approximately 18.9 mi to the confluence with the Rio Grande at an elevation of 5504 ft asl. Los Alamos Canyon heads on U.S. Forest Service (USFS) land, crosses approximately 8 mi of Laboratory land, and then crosses Pueblo de San Ildefonso land for approximately 4.7 mi before joining the Rio Grande. Los Alamos Canyon drains an area of approximately 10.8 mi^2 upstream from its confluence with Pueblo Canyon and 21.0 mi^2 upstream from its confluence with Bayo Canyon (inclusive of Pueblo Canyon). The Los Alamos Canyon watershed has a combined drainage area of 59 mi^2.

Sandia Canyon Watershed

Sandia Canyon heads on the Pajarito Plateau in TA-03, has a maximum elevation of approximately 7600 ft asl, and extends approximately 10.9 mi to the Rio Grande at an elevation of approximately 5445 ft asl (Figures 1.1-1 and 1.1-2). The watershed has a drainage area of 5.5 mi^2, of which 45% is on Laboratory land, 39% is on Pueblo de San Ildefonso land, 15% is within Bandelier National Monument, and 1% is on private land. The part of the watershed upcanyon from NM 4 and White Rock, the primary focus of this investigation, has a drainage area of 2.6 mi^2, of which 96% is on Laboratory land, 3% is on Pueblo de San Ildefonso land, and 1% is on private land.

Water Canyon Watershed

Water Canyon is an east-to-southeast-trending drainage originating on the flanks of the Sierra de los Valles (the eastern Jemez Mountains) in Bandelier National Monument (Figures 1.1-1 and 1.1-2). Water Canyon remains in Bandelier National Monument for 0.2 mi and then passes through 3.2 mi of the Santa Fe National Forest before it crosses into the Laboratory at the western boundary of TA-16. The drainage extends east-southeast approximately 10.7 mi across the entire Laboratory to its confluence with the Rio Grande in White Rock Canyon. The total drainage area for Water Canyon above the Rio Grande, including Cañon de Valle and other tributaries, is 19.1 mi^2, and the total drainage length is about 14.1 mi.

Pajarito Canyon Watershed

The Pajarito Canyon watershed heads in the Sierra de los Valles (the eastern Jemez Mountains) at Pajarito Mountain at an elevation of 10,441 ft asl and extends approximately 13 mi to the Rio Grande at an elevation of approximately 5410 ft asl (Figures 1.1-1 and 1.1-2). The watershed has a drainage area of 13 mi^2, of which 57% is on Laboratory land, 27% is on USFS land in the Santa Fe National Forest, a small area (0.1%) is on Valles Caldera National Preserve land, and the remaining 16% is on private land or land owned by Los Alamos County. Approximately 58% of the length of Pajarito Canyon, or 8.5 mi, is on Laboratory land between NM 501 (West Jemez Road) and NM 4. The three largest tributaries to Pajarito Canyon are Threemile Canyon, Twomile Canyon, and the south fork of Pajarito Canyon. Threemile Canyon heads in TA-14 and has a length of approximately 3.7 mi and a drainage area of 1.7 mi^2, entirely on Laboratory land. Twomile Canyon heads in the Sierra de los Valles and has a length of approximately 5.8 mi and a drainage area of 3.1 mi^2, 70% of it on Laboratory land. The south fork of Pajarito Canyon also heads in the Sierra de los Valles and has a length of approximately 2.9 mi and a drainage area of 1.0 mi^2, 37% of it on Laboratory land.

White Rock Canyon Watershed

White Rock Canyon is located along the Rio Grande, which flows from northeast to southwest near the Laboratory and forms part of the eastern Laboratory boundary (Figures 1.1-1 and 1.1-2).

2.0 SCOPE OF ACTIVITIES

All active monitoring locations associated with the base-flow sampling addressed in this report are located within the Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, or Pajarito Canyon watersheds. Monitoring locations include 14 base-flow locations.

Base-flow samples collected during the PMEs were analyzed for all or some of the following analytical groups as stipulated in the 2021 and 2022 IFGMPs (N3B 2020, 701041; N3B 2021, 701672): metals; volatile organic compounds; semivolatile organic compounds; low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances (PFAS); polychlorinated biphenyls; HE compounds and Royal Demolition Explosive degradation products; dioxins and furans; radionuclides (including low-level tritium); and general inorganic chemicals (including perchlorate). Additionally, the following field parameters were measured: dissolved oxygen (DO), flow rate (in gallons per minute [gpm]), pH, specific conductance, temperature, and turbidity.

Table 2.0-1 provides the location name and watershed, the MY and quarter of the sampling event, the sample collection date, the flow rate for each sampling event, and general observations from the sampling event. Monitoring locations, shown in Figure 1.1-2, are situated in the watersheds of Los Alamos Canyon, Sandia Canyon, Water Canyon, White Rock Canyon, and Pajarito Canyon.

2.1 PME Deviations from Planned Scope

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

3.0 REGULATORY CRITERIA

Regulatory criteria form the basis for the screening values with which base-flow monitoring results are compared in this PMR.

Surface water screening levels are used to evaluate base-flow locations for the *potential* for unacceptable risk because of release of site-related contaminants to surface waters other than from permitted discharges.

The Consent Order does not establish screening levels or cleanup levels for contaminants in surface water. Applicable New Mexico Water Quality Standards for Interstate and Intrastate Surface Waters (20.6.4 NMAC) are used as screening levels for base flows.

Monitoring data are evaluated using the screening process described below. The sources for standards and screening levels from which specific screening values are derived are listed in Tables 3.0-1 and 3.0-2 based on the following criteria:

- Base-flow monitoring locations are assigned to one of three screening categories based on hydrology of the water body being monitored: perennial, intermittent, or ephemeral as listed in Table 3.0-2. Along with a hardness value, this category determines the screening values used for data at each monitoring location.

- Hardness-dependent screening values used to screen data at each base-flow monitoring location are determined from 20.6.4.900 NMAC, "Water Quality Standards for Interstate and Intrastate Surface Waters."
- Hardness acute and chronic aquatic life criteria for metals are calculated using the hardness-dependent equations at 20.6.4.900.I NMAC. Hardness-dependent acute and chronic criteria were used for total recoverable aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements therein. For aluminum, the criteria are based on analysis of total recoverable aluminum in a sample that has a pH between 6.5 and 9.0 and is filtered to minimize mineral phases as specified by the department.
- Toxic equivalents are used to report the toxicity-weighted masses of mixtures of dioxins and furans. This is more meaningful than reporting the number of grams of dioxins or furans because toxic equivalents provide information on toxicity (https://www.epa.gov/toxics-release-inventory-tri-program/2010-dioxin-and-dioxin-compounds-and-teq-data-files). In addition, there are surface water quality standards for a total dioxin toxic equivalent, whereas there are no standards for individual dioxins or furans.
- Total dioxins are calculated using toxic equivalent values as reported in Table 3.0-3.

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2021 and 2022 IFGMPs (N3B 2020, 701041; N3B 2021, 701672).

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 current MDL is much lower than former MDLs for earlier analyses. Table 4.2-1 presents a list of target analytes with MDLs equal to or above screening values. Target analytes with MDLs entirely below the screening value are not listed. The analytical method and analytical laboratory are included in the table for reference.

4.3 Field Parameter Results

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

4.4 Groundwater Elevations

There are no groundwater elevation measurements associated with base-flow locations (Appendix B). Base-flow measurements are shown on Plate 1. LA Canyon near Otowi Bridge was dry for the entire period, and not displayed on Plate 1.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform the analysis for the data reported in this PMR are documented in the 2021 and 2022 IFGMPs (N3B 2020, 701041; N3B 2021, 701672). Samples and field-data collection are conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance/quality control (QA/QC) program. These SOPs are listed and described in Appendix B of the IFGMPs.

Sampling and analysis plans (SAPs) are created using 2021 and 2022 IFGMP Tables 1.8-1, 1.11-1, 6.4-1, and 8.3-1. SAPs include additional field collection, transportation, and field QA/QC sample criteria as identified in the N3B data quality objectives (DQOs) and in the Consent Order. A sample collection log is created from the SAP and is used to maintain a chain-of-custody (COC) document and an analytical request form.

Field QA/QC sampling and analysis is employed as an aspect of the QA/QC program to assist in qualifying field sample analytical results. These samples include field blanks (FBs), equipment rinsate blanks (EQBs), performance evaluation blanks (PEBs), field trip blanks (FTBs), and field duplicates (FDs). These field QA/QC samples support monitoring the quality of field sample collection, shipping processes, and analytical laboratory processes. Additional description regarding these types of QA/QC samples is provided in Appendix D of the 2021 and 2022 IFGMPs (N3B 2020, 701041; N3B 2021, 701672).

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

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

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

Analytical results meet the N3B minimum DQOs as outlined in “Sample and Data Management Plan” (N3B-PLN-SDM-1000). N3B-PLN-SDM-1000 sets the validation frequency criteria at 100% Level 1 examination and Level 2 verification of data and at 10% minimum Level 3 validation of data. A Level 1 examination assesses the completeness of the data as delivered from the analytical laboratory, identifies any reporting errors, and checks the usability of the data based on the analytical laboratory’s evaluation of the data. A Level 2 verification evaluates the data to determine the extent to which the laboratory met the analytical method and the contract-specific QC and reporting requirements. A Level 3 validation includes Levels 1 and 2 criteria and determines the effect of potential anomalies encountered during analysis and possible effects on data quality and usability. A Level 3 validation is performed manually with method-specific data validation procedures. Laboratory analytical data are validated by N3B personnel as outlined in N3B-PLN-SDM-1000; “General Guidelines for Data Validation” (N3B-AP-SDM-3000); “Examination and Verification of Analytical Laboratory Data” (N3B-AP-SDM-3014); and additional method-specific analytical data validation procedures. All associated validation procedures have been developed, where applicable, from the “Guidance on Environmental Data Verification and Data

Validation" (EPA QA/G-8) (https://www.epa.gov/sites/production/files/2015-06/documents/g8-final.pdf), the "Department of Defense (DoD)/Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories" (https://denix.osd.mil/edqw/documents/manuals/qsm-version-5-3-final/), the U.S. Environmental Protection Agency (EPA) "Superfund CLP National Functional Guidelines for Data Review" (https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-nfgs-data-review), and the American National Standards Institute/American Nuclear Society 41.5 "Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation" (https://webstore.ansi.org/standards/ansi/ansians412012).

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

5.2 Analytical Data

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

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

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

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

Table 5.2-1 provides base-flow 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 its screening value in both a primary sample and its associated FD, only the primary sample result would be recorded. If aluminum was detected above its screening value in the FD but not in the primary sample, then the FD would be recorded. Figures are generated for analytical results detected at concentrations greater than screening values at more than one location (see Figures 5.2-1 and 5.2-2).

Graphs in Appendix E display analyte concentration histories for monitoring group locations where the analyte was detected above the screening value at least once in the following historical set, which includes this PME in addition to data from the previous 3 yr, if available. Magenta lines indicate the PMR reporting period. Graphs in Appendix E show both primary samples and associated FDs. Results with a best value flag of N are not included in Appendix E.

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

5.2.1 Surface Water (Base-Flow) Screening Value Exceedances

Table 5.2-1 shows that six base-flow analytical results at three locations reported in this PMR were detected above applicable screening values. The screening value exceedances are for aluminum (unfiltered), iron (unfiltered), and dioxins (unfiltered).

- ***Pajarito below S&N Ancho E Basin Confluence***
  - For the March 8, 2022, sampling event at Pajarito below S&N Ancho E Basin Confluence, unfiltered aluminum was detected at 2640 µg/L, which is above the total recoverable aluminum 1580.3-µg/L NMAC Aquatic Life Acute standard and the total recoverable aluminum 633.1-µg/L Aquatic Life Chronic standard (both based on a 56.9-mg/L hardness).

    The previous range of unfiltered aluminum from March 2017 to March 2021 is 270 µg/L to 9440 µg/L.
- ***Rio Grande at Frijoles***
  - For the October 5, 2021, sampling event at Rio Grande at Frijoles, unfiltered aluminum was detected at 2040 µg/L, which is above the total recoverable aluminum 1921.7 µg/L NMAC Aquatic Life Chronic standard (based on 128-mg/L hardness).

    The previous range of unfiltered aluminum from October 2016 to October 2019 is 244 µg/L to 5650 µg/L.
  - For the October 5, 2021, sampling event at Rio Grande at Frijoles, unfiltered iron was detected at 1290 µg/L, which is above the 1000-µg/L NMAC Aquatic Life Chronic standard.

    The previous range of unfiltered iron from October 2016 to October 2019 is 272 µg/L to 3420 µg/L.

- ***Rio Grande at Otowi Bridge***

  - For the October 12, 2021, sampling event at Rio Grande at Otowi Bridge, the unfiltered dioxins heptachlorodibenzodioxin[1,2,3,4,6,7,8-] and octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] were detected. The dioxin criteria apply to the sum of the dioxin toxicity equivalents. The sum of these dioxin toxicity equivalents is 7.6E-08 µg/L, which is above the 5.1E-08- µg/L New Mexico Human Health Organism Only standard.

    Previously, heptachlorodibenzodioxin[1,2,3,4,6,7,8-] was not detected. The previous range of unfiltered octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] from October 2012 to October 2016 is 1.16E-005 to 2.95E-005.

  - For the April 13, 2022, sampling event at Rio Grande at Otowi Bridge, unfiltered aluminum was detected at 4730 µg/L, which is above the total recoverable aluminum 4541.8-µg/L NMAC Aquatic Life Acute standard, and the 1819.6-µg/L NMAC Aquatic Life Chronic standard (both based on a 123-mg/L hardness).

    The previous range of unfiltered aluminum from October 2016 to October 2021 is 68 µg/L to 11,100 µg/L.

  - For the April 13, 2022, sampling event at Rio Grande at Otowi Bridge, unfiltered iron was detected at 3170 µg/L, which is above the 1000-µg/L Aquatic Life Chronic standard.

    The previous range of unfiltered iron from October 2016 to October 2021 is 30 µg/L to 12,100 µg/L.

5.3 Sampling Program Modifications

Tritium at the TA-16 260 monitoring group base-flow locations will be analyzed using the low-level method and sampled at the same frequency as the radionuclide analytical suite. Low-level 1,4-dioxane and low-level nitrosamines have been moved from annual to semiannual monitoring at LA Canyon near Otowi Bridge. PFAS will not be sampled at Rio Grande at Frijoles since there were no detections at or above the New Mexico Water Quality Control Commission (NMWQCC) regulatory standard

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

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

6.2 Analytical Results

6.2.1 Surface Water (Base Flow)

A total of six analytical results reported in this PMR were detected above applicable screening values (Table 5.2-1). For results above screening values, the types of contaminants detected and the contaminant concentrations were consistent with data reported in previous PMRs with the following exception:

The unfiltered dioxins concentration (7.6E-8) from a sample collected at Rio Grande at Otowi Bridge on October 12, 2021, is greater than the previous maximum concentration detected (8.85E-9 µg/L) on October 7, 2019.

6.3 Data Gaps

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

6.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the base flows reported in this PMR, as no remediation systems are required for these locations.

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. ERIDs were assigned by the Laboratory's Associate Directorate for Environmental Management (IDs through 599999); ESHIDs were assigned by the Laboratory's Associate Directorate for Environment, Safety, and Health (IDs 600000 through 699999); and EMIDs are assigned by N3B (IDs 700000 and above).

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), September 2020. "Interim Facility-Wide Groundwater Monitoring Plan for the 2021 Monitoring Year, October 2020–September 2021, Revision 1," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2020-0404, Los Alamos, New Mexico. (N3B 2020, 701041)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), September 2021. "Interim Facility-Wide Groundwater Monitoring Plan for the 2022 Monitoring Year, October 2021–September 2022, Revision 1," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2021-0535, Los Alamos, New Mexico. (N3B 2021, 701672)

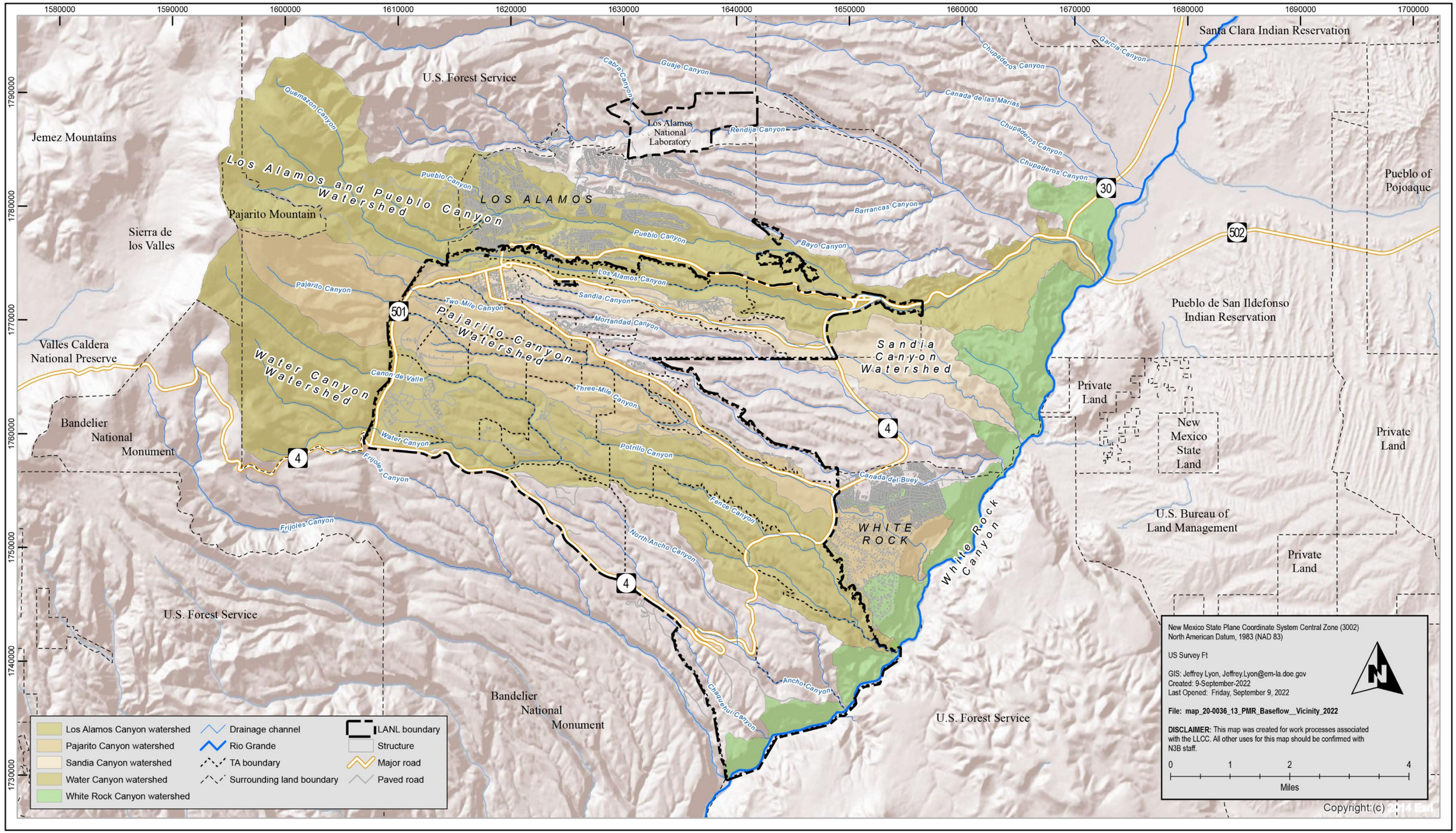


Figure 1.1-1 Base-flow sampling PMR vicinity map

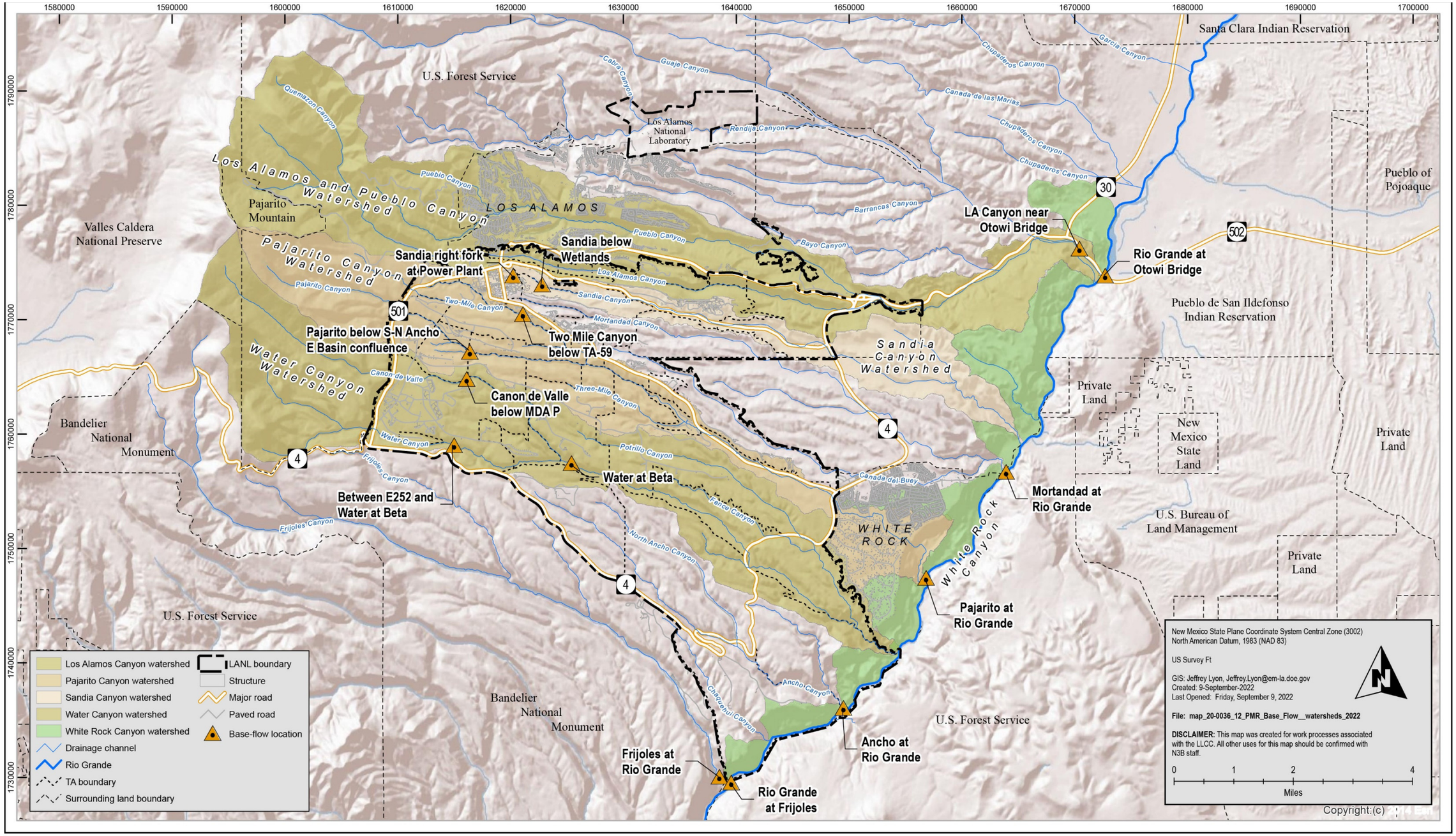
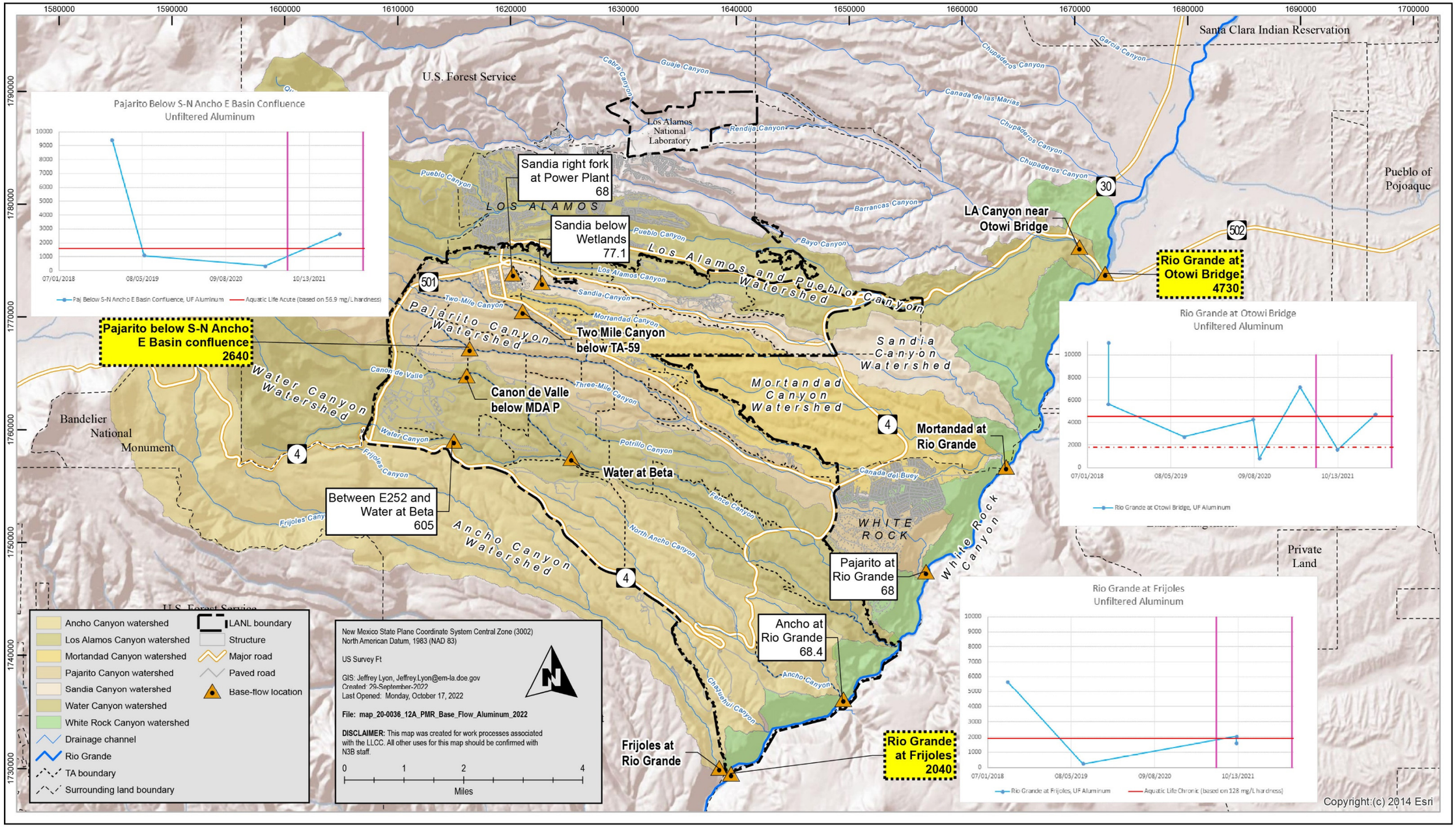
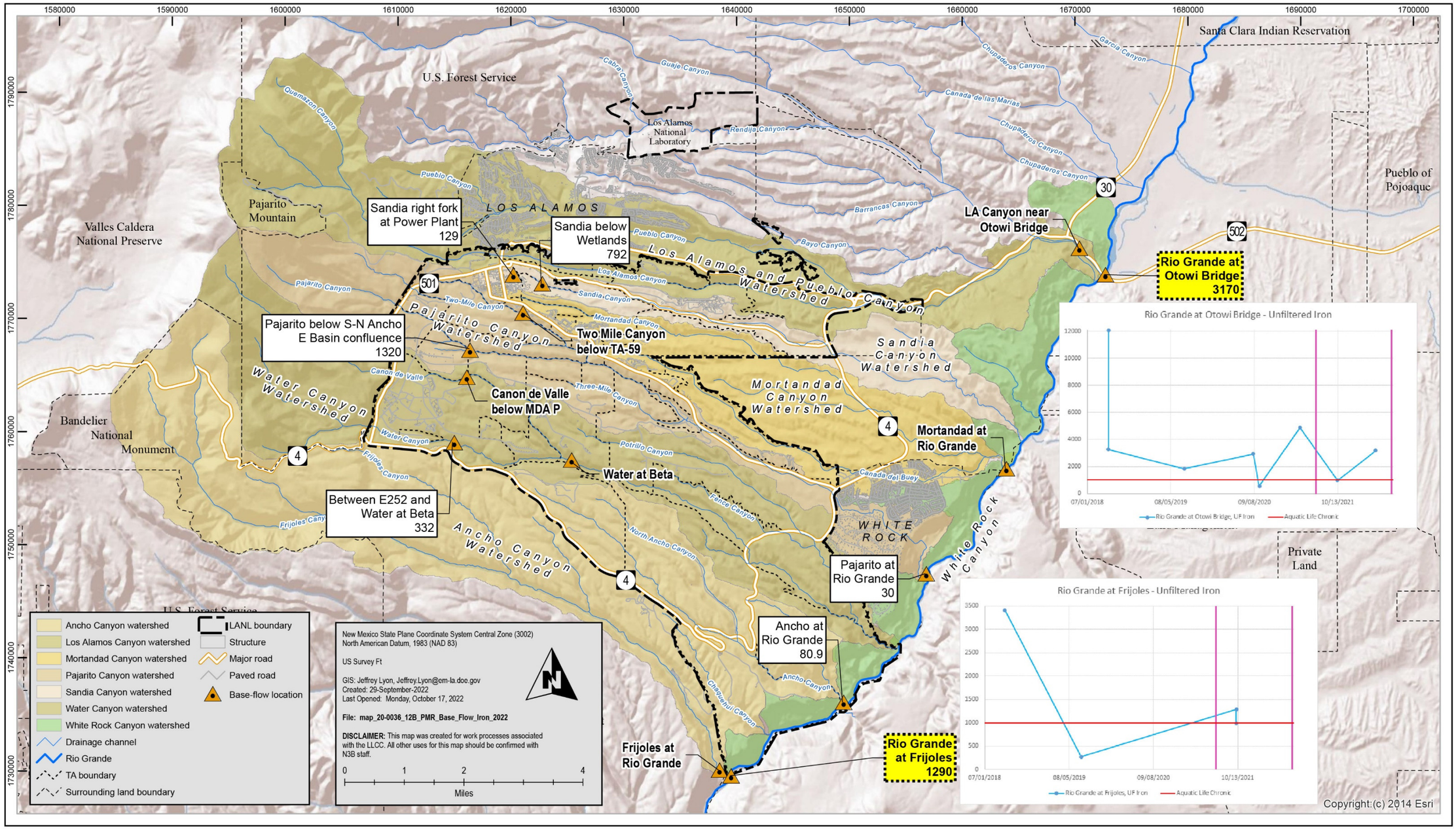


Figure 1.1-2 Base-flow sampling PMR locations



Note: The hardness based Aquatic Life Acute, and Aquatic Life Chronic base flow standard

Figure 5.2-1 Base-flow sampling PMR unfiltered aluminum concentrations in µg/L



Note: The hardness based Aquatic Life Chronic base flow standard

Figure 5.2-2 Base-flow sampling PMR unfiltered iron concentrations in µg/L

Table 2.0-1
Base-Flow Sampling Locations and General Information

Location Name	Watershed	Sampling Event		Sample Collection Date	Flow Rate (gpm)	Notes
		MY	Quarter			
Pajarito below S&N Ancho E Basin Confluence	Pajarito	2021	4	Canceled, site was dry	—*	Base flow was dry.
Sandia Right Fork at Power Plant	Sandia			07/30/2021	448.83	None
Sandia below Wetlands	Sandia			07/30/2021	112.21	None
Between E252 and Water at Beta	Water			Canceled, site was dry	—	Base flow was dry.
Cañon de Valle below MDA P	Water			Canceled, site was dry	—	Base flow was dry.
Water at Beta	Water			Canceled, site was dry	—	Base flow was dry.
LA Canyon near Otowi Bridge	Los Alamos	2022	1	Canceled, site was dry	—	Base flow was dry.
Pajarito at Rio Grande	White Rock			10/04/2021	839.31	None
Rio Grande at Otowi Bridge	White Rock			10/12/2021	1,299,811.68	None
Ancho at Rio Grande	White Rock			10/05/2021	5.57	None
Frijoles at Rio Grande	White Rock			Canceled, site was dry	—	Base flow was dry.
Rio Grande at Frijoles	White Rock			10/05/2021	173,248.00	None
Mortandad at Rio Grande	White Rock			Canceled, site was dry	—	Base flow was dry.
Pajarito below S&N Ancho E Basin Confluence	Pajarito	2022	2	03/08/2022	11.41	None
Cañon de Valle below MDA P	Water			Canceled, site was dry	—	Base flow was dry.
Between E252 and Water at Beta	Water			03/11/2022	39.65	None
Water at Beta	Water			Canceled, site was dry	—	Base flow was dry.
LA Canyon near Otowi Bridge	Los Alamos	2022	3	Canceled, insufficient water	—	Base flow had insufficient water to sample.
Two Mile Canyon Below TA-59	Pajarito			Canceled, insufficient water	—	Base flow had insufficient water to sample.
Rio Grande at Otowi Bridge	White Rock			04/13/2022	484,737.66	None

* — = Not applicable.

Table 2.1-1
Base-Flow Sampling PME Observations and Deviations

Sampling Event		Watershed	Monitoring Location	Observation/Deviation	Comment
MY	Quarter				
2021	4	Sandia	Sandia Right Fork at Power Plant	448.83-gpm flow rate.	None
			Sandia below Wetlands	112.21-gpm flow rate.	None
		Pajarito	Pajarito below S&N Ancho E Basin Confluence	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
		Water	Between E252 and Water at Beta	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
			Cañon de Valle below MDA P	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
			Water at Beta	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
2022	1	Los Alamos	LA Canyon near Otowi Bridge	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
		White Rock	Ancho at Rio Grande	5.57-gpm flow rate	None
			Mortandad at Rio Grande	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
			Rio Grande at Frijoles	173,248.00-gpm flow rate	None
			Pajarito at Rio Grande	839.31-gpm flow rate	None
			Rio Grande at Otowi Bridge	157,988.16-gpm flow rate	None
			Frijoles at Rio Grande	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
2022	2	Pajarito	Pajarito below S&N Ancho E Basin Confluence	11.41-gpm flow rate	None
		Water	Between E252 and Water at Beta	39.65-gpm flow rate	None
			Cañon de Valle below MDA P	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
			Water at Beta	Canceled. No field or analytical data will be available for this site.	Base flow was dry.
2022	3	Los Alamos	LA Canyon near Otowi Bridge	Canceled. No field or analytical data will be available for this site.	Insufficient water available.
		Pajarito	Two Mile Canyon below TA-59	Canceled. No field or analytical data will be available for this site.	Insufficient water available.
		White Rock	Rio Grande at Otowi Bridge	484,736.40-gpm flow rate	None

Table 3.0-1
Sources for Standards and Screening Levels for Surface Water (Base Flows) at Los Alamos National Laboratory

Standard Type	Standard Source	Los Alamos Canyon near Otowi Bridge	Sandia Right Fork at Power Plant	Sandia below Wetlands	Two Mile Canyon Below TA-59	Ancho at Rio Grande	Frijoles at Rio Grande	Pajarito at Rio Grande	Mortandad at Rio Grande	Rio Grande at Frijoles	Rio Grande at Otowi Bridge	Between E252 and Water at Beta	Cañon de Valle below MDA P	Pajarito below S&N Ancho Basin Confluence	Water at Beta
NMAC-NMWQCC															
Irrigation Standard	20 6.4.900.C NMAC	—[a]	—	—	—	—	X[b]	—	—	X	X	—	—	—	—
Livestock Watering Standard	20 6.4.900.F NMAC	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Wildlife Habitat Standard	20 6.4.900.G NMAC	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Standards Acute[c,d]	20 6.4.900.H NMAC	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aquatic Life Standards Chronic[c,d]	20 6.4.900.H NMAC	X	X	X	X	—	X	X	X	X	X	—	X	X	—
Aquatic Life Human Health-Organism Only Standard	20 6.4.900.H NMAC	X	X	X	X	—	X	X	X	X	X	—	X	X	—
Human Health-Organism Only criteria apply only for persistent pollutants	20.6.4.900.J NMAC	—	—	—	—	X	—	—	—	—	—	X	—	—	X
Domestic Water Supply	20.6.4.900.B NMAC	—	—	—	—	—	X	—	—	—	—	—	—	—	—

[a] — = Not applied to data screen for this report.

[b] X = Applied to data screen for this report.

[c] Hardness-dependent acute and chronic criteria were used for total recoverable aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc.

[d] Standard for dissolved hexavalent chromium conservatively compared with results for dissolved chromium (https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables).

Table 3.0-2
Base-Flow Location Type and Hardness Assignments Used to Select Screening Values

Watershed	Location	Stream Type	New Mexico Water Quality Standard Classification	Date	Sample Purpose	Hardness[a] (µg/L as $CaCO_3$)
Los Alamos	Los Alamos Canyon near Otowi Bridge	Intermittent[b]	20.6.4.98	—[c]	—	—
Sandia	Sandia Right Fork at Power Plant	Perennial	20.6.4.126	07/30/21	REG[d]	59.6
Sandia	Sandia below Wetlands	Perennial	20.6.4.126	07/30/21	REG	67.6
				07/30/21	FD[e]	67.4
Pajarito	Two Mile Canyon Below TA-59	Intermittent	20.6.4.140	—	—	—
White Rock	Ancho at Rio Grande	Ephemeral	20.6.4.128	10/05/21	REG	43.7
White Rock	Frijoles at Rio Grande	Perennial	20.6.4.121	—	—	—
White Rock	Pajarito at Rio Grande	Intermittent	20.6.4.98	10/04/21	REG	68
White Rock	Mortandad at Rio Grande	Intermittent[b]	20.6.4.98	—	—	—
White Rock	Rio Grande at Frijoles	Perennial	20.6.4.114	10/05/21	FD	132
				10/05/21	REG	128
White Rock	Rio Grande at Otowi Bridge	Perennial[b]	20.6.4.114	10/12/21	REG	124
				04/13/22	REG	123
Water	Between E252 and Water at Beta	Ephemeral	20.6.4.128	03/11/22	REG	39.3
Water	Cañon de Valle below MDA P	Perennial	20.6.4.126	—	—	—
Pajarito	Pajarito below S&N Ancho Basin Confluence	Perennial	20.6.4.126	03/08/22	REG	56.9
Water	Water at Beta	Ephemeral	20.6.4.128	—	—	—

Notes: NMAC 20.6.4 defines the three stream types as follows. Intermittent = Water body contains water for extended periods only at certain times of the year, such as when it receives seasonal flow from springs or melting snow. Perennial = Water body typically contains water throughout the year and rarely experiences dry period. Ephemeral = Water body contains water briefly only in direct response to precipitation; its bed is always above the water table of the adjacent region.

[a] Hardness values were calculated using calcium and magnesium. The reported value is a mean filtered result for each specific location.

[b] Tribal-designated uses and types are assigned separately for each water body monitored. These are assigned by the Pueblo and utilize the parameters described in NMAC 20.6.4.

[c] — = No hardness value available because site was dry.

[d] REG = Regular sample.

[e] FD = Field duplicate.

Table 3.0-3
Toxicity Equivalence Factors

Analyte	Parameter Code	Toxicity Equivalence Factor
2,3,7,8-tetrachlorodibenzo-*p*-dioxin	1746-01-6	1
1,2,3,7,8-pentachlorinated dibenzo-*p*-dioxin	40321-76-4	1
1,2,3,4,7,8-hexachlorinated dibenzo-*p*-dioxin	39227-28-6	0.1
1,2,3,6,7,8-hexachlorinated dibenzo-*p*-dioxin	57653-85-7	0.1
1,2,3,7,8,9-hexachlorinated dibenzo-*p*-dioxin	19408-74-3	0.1
1,2,3,4,6,7,8-heptachlorinated dibenzo-*p*-dioxin	35822-46-9	0.01
octachlorinated dibenzo-*p*-dioxin	3268-87-9	0.0003
2,3,7,8-tetrachlorinated dibenzofuran	51207-31-9	0.1
1,2,3,7,8-pentachlorinated dibenzofuran	57117-41-6	0.03
2,3,4,7,8-pentachlorinated dibenzofuran	57117-31-4	0.3
1,2,3,4,7,8-hexachlorinated dibenzofuran	70648-26-9	0.1
1,2,3,6,7,8-hexachlorinated dibenzofuran	57117-44-9	0.1
1,2,3,7,8,9-hexachlorinated dibenzofuran	72918-21-9	0.1
2,3,4,6,7,8-hexachlorinated dibenzofuran	60851-34-5	0.1
1,2,3,4,6,7,8-heptachlorinated dibenzofuran	67562-39-4	0.01
1,2,3,4,7,8,9-heptachlorinated dibenzofuran	55673-89-7	0.01
Octachlorinated dibenzofuran	39001-02-0	0.0003
3,3',4,4'-tetrachlorinated biphenyl (77)	32598-13-3	0.0001
3,4,4',5-tetrachlorinated biphenyl (81)	70362-50-4	0.0003
3,3',4,4',5-pentachlorinated biphenyl (126)	57465-28-8	0.1
3,3',4,4',5,5'-hexachlorinated biphenyl (169)	32774-16-6	0.03
2,3,3',4,4'-pentachlorinated biphenyl (105)	32598-14-4	0.00003
2,3,4,4',5-pentachlorinated biphenyl (114)	74472-37-0	0.00003
2,3',4,4',5-pentachlorinated biphenyl (118)	31508-00-6	0.00003
2',3,4,4',5-pentachlorinated biphenyl (123)	65510-44-3	0.00003
2,3,3',4,4',5-hexachlorinated biphenyl (156)	PCB-156/157	0.00003
2,3,3',4,4',5'-hexachlorinated biphenyl (157)	PCB-156/157	0.00003
2,3',4,4',5,5'-hexachlorinated biphenyl (167)	52663-72-6	0.00003
2,3,3',4,4',5,5'-heptachlorinated biphenyl (189)	39635-31-9	0.00003

Note: Toxicity equivalence factors are expressed as 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (**https://www.epa.gov/toxics-release-inventory-tri-program/2010-dioxin-and-dioxin-compounds-and-teq-data-files**).

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
Semivolatile Organic Compounds						
Benzidine	3.83–3.9	SW-846:8270E	0.11	µg/L	NM Aquatic Life Human Health OO[a]	GELC[b]
Benzo(a)anthracene	0.295–0.3	SW-846:8270E	0.013	µg/L	NM Human Health OO[c]	GELC
Benzo(a)pyrene	0.295–0.3	SW-846:8270E	0.0013	µg/L	NM Human Health OO and NM Human Health OO P[d]	GELC
Benzo(b)fluoranthene	0.295–0.3	SW-846:8270E	0.013	µg/L	NM Human Health OO	GELC
Benzo(k)fluoranthene	0.295–0.3	SW-846:8270E	0.13	µg/L	NM Human Health OO	GELC
Dibenz(a,h)anthracene	0.295–0.3	SW-846:8270E	0.0013	µg/L	NM Human Health OO	GELC
Dichlorobenzidine[3,3'-]	2.95–3	SW-846:8270E	1.5	µg/L	NM Human Health OO	GELC
Hexachlorobenzene	2.95–3	SW-846:8270E	0.00079	µg/L	NM Human Health OO and NM Human Health OO P	GELC
Hexachloroethane	2.95–3	SW-846:8270E	1	µg/L	NM Human Health OO	GELC
Indeno(1,2,3-cd)pyrene	0.295–0.3	SW-846:8270E	0.013	µg/L	NM Human Health OO	GELC
Nitroso-di-n-butylamine[N-]	2.95–3	SW-846:8270E	2.2	µg/L	NM Human Health OO	GELC
Pentachlorobenzene	2.95–3	SW-846:8270E	0.1	µg/L	NM Human Health OO	GELC
Tetrachlorobenzene[1,2,4,5]	2.95–3	SW-846:8270E	0.03	µg/L	NM Human Health OO	GELC
Metals						
Thallium	0.6	SW-846:6020B	0.47	µg/L	NM Human Health OO and NM Human Health OO P	GELC
Volatile Organic Compounds						
Hexachlorobutadiene	0.333–3	SW-846:8260D	0.1	µg/L	NM Human Health OO	GELC

Table 4.2-1 (continued)

Analyte Name	MDL	Analytical Method	Screening Value	Unit	Screening-Value Type	Lab ID
Dioxins and Furans						
Tetrachlorodibenzodioxin[2,3,7,8-]	0.00000428	SW-846:8290A	0.000000051	µg/L	NM Human Health OO and NM Human Health OO P	CFA[e]

Note: This table is applicable to samples reported in this PMR and includes historical data statistics 10 yr before the earliest start date in the PMR.

[a] Aquatic Life Human Health OO = NMWQCC aquatic life human-health organism only surface-water standards.

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

[c] NM Human Health OO = NMWQCC human-health organism only surface-water standards.

[d] NM Human Health OO P = NMWQCC human-health organism only persistent surface-water standards.

[e] CFA = Cape Fear Analytical, LLC, Wilmington, NC, Division of the GEL Group, Inc., Charleston, SC.

Table 5.2-1
Base-Flow Sample Results Above Screening Values

Location	Watershed	Sampling Event		Sample Collection Date	Analyte	Field Prep Code	Result	Unit	Screening Value	Screening Value Source
		MY	Quarter							
Pajarito below S&N Ancho E Basin Confluence	Pajarito	2022	2	3/8/2022	Aluminum	UF[a]	2640	µg/L	1580.3 633.1	Aquatic Life Acute[b] Aquatic Life Chronic[c] (both based on 56.9-mg/L hardness)
Rio Grande at Frijoles	White Rock	2022	1	10/5/2021	Aluminum	UF	2040	µg/L	1921.7	Aquatic Life Chronic (based on 128-mg/L hardness)
Rio Grande at Frijoles	White Rock	2022	1	10/5/2021	Iron	UF	1290	µg/L	1000	Aquatic Life Chronic
Rio Grande at Otowi Bridge	White Rock	2022	1	10/12/2021	Dioxin	UF	7.6E-08	µg/L	5.1E-08	NM Human Health OO[d]
Rio Grande at Otowi Bridge	White Rock	2022	3	4/13/2022	Aluminum	UF	4730	µg/L	4541.8 1819.6	Aquatic Life Acute; Aquatic Life Chronic (both based on 123-mg/L hardness)
Rio Grande at Otowi Bridge	White Rock	2022	3	4/13/2022	Iron	UF	3170	µg/L	1000	Aquatic Life Chronic

[a] UF = Unfiltered.

[b] NM Aquatic Life Acute = New Mexico Water Quality Control Commission aquatic life standards for acute exposure.

[c] NM Aquatic Life Chronic = New Mexico Water Quality Control Commission aquatic life standards for chronic exposure.

[d] NM Human Health OO = NMWQCC human-health organism only surface-water standards.

Appendix A

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

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
Ancho at Rio Grande	—[a]	10/05/2021	WS[b]	Dissolved Oxygen	6.96	mg/L	CAWR-22-234431
Ancho at Rio Grande	—	10/04/2018	WS	Dissolved Oxygen	8.18	mg/L	CAWR-19-161960
Ancho at Rio Grande	—	10/12/2016	WS	Dissolved Oxygen	7.82	mg/L	CAWR-16-126315
Ancho at Rio Grande	—	09/30/2014	WS	Dissolved Oxygen	7.71	mg/L	CAWR-14-86888
Ancho at Rio Grande	—	09/25/2012	WS	Dissolved Oxygen	7.47	mg/L	CAWR-12-23426
Ancho at Rio Grande	—	10/05/2021	WS	Flow	5.57	gpm[c]	CAWR-22-234431
Ancho at Rio Grande	—	10/04/2018	WS	Flow	3.17	gpm	CAWR-19-161960
Ancho at Rio Grande	—	10/05/2021	WS	Temperature	24.9	deg C	CAWR-22-234431
Ancho at Rio Grande	—	10/04/2018	WS	Temperature	14.7	deg C	CAWR-19-161960
Ancho at Rio Grande	—	10/12/2016	WS	Temperature	17.7	deg C	CAWR-16-126315
Ancho at Rio Grande	—	09/30/2014	WS	Temperature	18.31	deg C	CAWR-14-86888
Ancho at Rio Grande	—	09/25/2012	WS	Temperature	20.9	deg C	CAWR-12-23426
Ancho at Rio Grande	—	10/05/2021	WS	Turbidity	0.56	NTU[d]	CAWR-22-234431
Ancho at Rio Grande	—	10/04/2018	WS	Turbidity	0.5	NTU	CAWR-19-161960
Ancho at Rio Grande	—	10/12/2016	WS	Turbidity	2.6	NTU	CAWR-16-126315
Ancho at Rio Grande	—	09/30/2014	WS	Turbidity	8.6	NTU	CAWR-14-86888
Ancho at Rio Grande	—	09/25/2012	WS	Turbidity	1.48	NTU	CAWR-12-23426
Pajarito at Rio Grande	—	10/04/2021	WS	Dissolved Oxygen	7.52	mg/L	CAWR-22-234621
Pajarito at Rio Grande	—	10/05/2020	WS	Dissolved Oxygen	7.62	mg/L	CAWR-21-208734
Pajarito at Rio Grande	—	10/01/2019	WS	Dissolved Oxygen	7.13	mg/L	CAWR-20-186462
Pajarito at Rio Grande	—	10/03/2018	WS	Dissolved Oxygen	6.93	mg/L	CAWR-19-161967
Pajarito at Rio Grande	—	10/12/2016	WS	Dissolved Oxygen	7.36	mg/L	CAWR-16-126319
Pajarito at Rio Grande	—	10/04/2021	WS	Flow	839.31	gpm	CAWR-22-234621
Pajarito at Rio Grande	—	10/05/2020	WS	Flow	700.17	gpm	CAWR-21-208734
Pajarito at Rio Grande	—	10/01/2019	WS	Flow	910.36	gpm	CAWR-20-186462
Pajarito at Rio Grande	—	10/03/2018	WS	Flow	713.6	gpm	CAWR-19-161967
Pajarito at Rio Grande	—	10/04/2021	WS	pH	7.79	SU[e]	CAWR-22-234621
Pajarito at Rio Grande	—	10/05/2020	WS	pH	7.95	SU	CAWR-21-208734

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
Pajarito at Rio Grande	—	10/01/2019	WS	pH	8.15	SU	CAWR-20-186462
Pajarito at Rio Grande	—	10/03/2018	WS	pH	7.79	SU	CAWR-19-161967
Pajarito at Rio Grande	—	10/12/2016	WS	pH	7.36	SU	CAWR-16-126319
Pajarito at Rio Grande	—	10/04/2021	WS	Specific Conductance	204.8	µS/cm	CAWR-22-234621
Pajarito at Rio Grande	—	10/05/2020	WS	Specific Conductance	201.8	µS/cm	CAWR-21-208734
Pajarito at Rio Grande	—	10/01/2019	WS	Specific Conductance	202.4	µS/cm	CAWR-20-186462
Pajarito at Rio Grande	—	10/03/2018	WS	Specific Conductance	204	µS/cm	CAWR-19-161967
Pajarito at Rio Grande	—	10/12/2016	WS	Specific Conductance	203	µS/cm	CAWR-16-126319
Pajarito at Rio Grande	—	10/04/2021	WS	Temperature	20.1	deg C	CAWR-22-234621
Pajarito at Rio Grande	—	10/05/2020	WS	Temperature	18.3	deg C	CAWR-21-208734
Pajarito at Rio Grande	—	10/01/2019	WS	Temperature	20.8	deg C	CAWR-20-186462
Pajarito at Rio Grande	—	10/03/2018	WS	Temperature	21.6	deg C	CAWR-19-161967
Pajarito at Rio Grande	—	10/12/2016	WS	Temperature	20.2	deg C	CAWR-16-126319
Pajarito at Rio Grande	—	10/04/2021	WS	Turbidity	0.25	NTU	CAWR-22-234621
Pajarito at Rio Grande	—	10/05/2020	WS	Turbidity	0.15	NTU	CAWR-21-208734
Pajarito at Rio Grande	—	10/01/2019	WS	Turbidity	0.41	NTU	CAWR-20-186462
Pajarito at Rio Grande	—	10/03/2018	WS	Turbidity	0.1	NTU	CAWR-19-161967
Pajarito at Rio Grande	—	10/12/2016	WS	Turbidity	1.1	NTU	CAWR-16-126319
Rio Grande at Frijoles	—	10/06/2021	WS	Dissolved Oxygen	7.67	mg/L	CAWR-22-234623
Rio Grande at Frijoles	—	10/02/2019	WS	Dissolved Oxygen	8.34	mg/L	CAWR-20-186467
Rio Grande at Frijoles	—	10/04/2018	WS	Dissolved Oxygen	7.83	mg/L	CAWR-19-162014
Rio Grande at Frijoles	—	10/13/2016	WS	Dissolved Oxygen	8.48	mg/L	CAWR-16-126320
Rio Grande at Frijoles	—	10/01/2014	WS	Dissolved Oxygen	8.36	mg/L	CAWR-14-86938
Rio Grande at Frijoles	—	10/06/2021	WS	Flow	173248	gpm	CAWR-22-234623
Rio Grande at Frijoles	—	10/04/2018	WS	Flow	237880	gpm	CAWR-19-162014
Rio Grande at Frijoles	—	10/06/2021	WS	pH	8.37	SU	CAWR-22-234623
Rio Grande at Frijoles	—	10/02/2019	WS	pH	8.3	SU	CAWR-20-186467
Rio Grande at Frijoles	—	10/04/2018	WS	pH	8.38	SU	CAWR-19-162014

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
Rio Grande at Frijoles	—	10/13/2016	WS	pH	8.2	SU	CAWR-16-126320
Rio Grande at Frijoles	—	10/01/2014	WS	pH	8.05	SU	CAWR-14-86938
Rio Grande at Frijoles	—	10/06/2021	WS	Specific Conductance	351.6	µS/cm	CAWR-22-234623
Rio Grande at Frijoles	—	10/02/2019	WS	Specific Conductance	270	µS/cm	CAWR-20-186467
Rio Grande at Frijoles	—	10/04/2018	WS	Specific Conductance	333.2	µS/cm	CAWR-19-162014
Rio Grande at Frijoles	—	10/13/2016	WS	Specific Conductance	354.1	µS/cm	CAWR-16-126320
Rio Grande at Frijoles	—	10/01/2014	WS	Specific Conductance	335	µS/cm	CAWR-14-86938
Rio Grande at Frijoles	—	10/06/2021	WS	Temperature	19.2	deg C	CAWR-22-234623
Rio Grande at Frijoles	—	10/02/2019	WS	Temperature	18.5	deg C	CAWR-20-186467
Rio Grande at Frijoles	—	10/04/2018	WS	Temperature	19.5	deg C	CAWR-19-162014
Rio Grande at Frijoles	—	10/13/2016	WS	Temperature	14.7	deg C	CAWR-16-126320
Rio Grande at Frijoles	—	10/01/2014	WS	Temperature	16.62	deg C	CAWR-14-86938
Rio Grande at Frijoles	—	10/06/2021	WS	Turbidity	34	NTU	CAWR-22-234623
Rio Grande at Frijoles	—	10/02/2019	WS	Turbidity	25.25	NTU	CAWR-20-186467
Rio Grande at Frijoles	—	10/04/2018	WS	Turbidity	67.2	NTU	CAWR-19-162014
Rio Grande at Frijoles	—	10/13/2016	WS	Turbidity	33.1	NTU	CAWR-16-126320
Rio Grande at Frijoles	—	10/01/2014	WS	Turbidity	138.2	NTU	CAWR-14-86938
Rio Grande at Otowi Bridge	—	10/12/2021	WS	Dissolved Oxygen	8.96	mg/L	CAWR-22-234625
Rio Grande at Otowi Bridge	—	04/14/2021	WS	Dissolved Oxygen	9.47	mg/L	CAWR-21-221791
Rio Grande at Otowi Bridge	—	10/01/2020	WS	Dissolved Oxygen	9.79	mg/L	CAWR-21-208737
Rio Grande at Otowi Bridge	—	10/07/2019	WS	Dissolved Oxygen	8.52	mg/L	CAWR-20-186469
Rio Grande at Otowi Bridge	—	10/10/2018	WS	Dissolved Oxygen	9.1	mg/L	CAWR-19-162017
Rio Grande at Otowi Bridge	—	10/12/2021	WS	Flow	2896	gpm	CAWR-22-234625
Rio Grande at Otowi Bridge	—	10/01/2020	WS	Flow	210950	gpm	CAWR-21-208737
Rio Grande at Otowi Bridge	—	10/12/2021	WS	pH	8.27	SU	CAWR-22-234625
Rio Grande at Otowi Bridge	—	04/14/2021	WS	pH	8.9	SU	CAWR-21-221791
Rio Grande at Otowi Bridge	—	10/01/2020	WS	pH	8.45	SU	CAWR-21-208737
Rio Grande at Otowi Bridge	—	10/07/2019	WS	pH	8	SU	CAWR-20-186469

Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
Rio Grande at Otowi Bridge	—	10/10/2018	WS	pH	8.24	SU	CAWR-19-162017
Rio Grande at Otowi Bridge	—	10/12/2021	WS	Specific Conductance	347.9	µS/cm	CAWR-22-234625
Rio Grande at Otowi Bridge	—	04/14/2021	WS	Specific Conductance	324.7	µS/cm	CAWR-21-221791
Rio Grande at Otowi Bridge	—	10/01/2020	WS	Specific Conductance	326.8	µS/cm	CAWR-21-208737
Rio Grande at Otowi Bridge	—	10/07/2019	WS	Specific Conductance	296	µS/cm	CAWR-20-186469
Rio Grande at Otowi Bridge	—	10/10/2018	WS	Specific Conductance	342	µS/cm	CAWR-19-162017
Rio Grande at Otowi Bridge	—	10/12/2021	WS	Temperature	12	deg C	CAWR-22-234625
Rio Grande at Otowi Bridge	—	04/14/2021	WS	Temperature	10.7	deg C	CAWR-21-221791
Rio Grande at Otowi Bridge	—	10/01/2020	WS	Temperature	16.5	deg C	CAWR-21-208737
Rio Grande at Otowi Bridge	—	10/07/2019	WS	Temperature	16.8	deg C	CAWR-20-186469
Rio Grande at Otowi Bridge	—	10/10/2018	WS	Temperature	12.8	deg C	CAWR-19-162017
Rio Grande at Otowi Bridge	—	10/12/2021	WS	Turbidity	18.8	NTU	CAWR-22-234625
Rio Grande at Otowi Bridge	—	04/14/2021	WS	Turbidity	52.32	NTU	CAWR-21-221791
Rio Grande at Otowi Bridge	—	10/01/2020	WS	Turbidity	13.95	NTU	CAWR-21-208737
Rio Grande at Otowi Bridge	—	10/07/2019	WS	Turbidity	27.62	NTU	CAWR-20-186469
Rio Grande at Otowi Bridge	—	10/10/2018	WS	Turbidity	57.7	NTU	CAWR-19-162017

[a] — = Flow field parameters at this location were not assigned a field measurement record ID. Data are from the field notes.

[b] WS = Surface water.

[c] gpm = Gallons per minute.

[d] NTU = Nephelometric turbidity unit.

[e] SU = Standard unit.

Appendix B

Groundwater Elevation Measurements

Note: This report includes no groundwater elevation measurements because none were taken at base-flow locations.

Appendix C

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

The following pages provide lists of (1) acronyms, abbreviations, and symbols; (2) analytical laboratory qualifier codes; (3) validation qualifiers; and (4) background value sources that may be used in Appendix C. Please note that these comprehensive lists include terms used in prior periodic monitoring reports. This periodic monitoring report may not include all of the terms in the following 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	1,3-dinitro-5-nitroso-1,3,5-triazinane
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
HRGC/HRMS	high-resolution gas chromatography/high-resolution mass spectrometry
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IDL	instrument detection limit
IS	internal standard
LAL	lower acceptance limit
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
LOC	level of chlorination
LSC	liquid scintillation counting
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	1-nitroso-3,5-dinitro-1,3,5-triazine
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

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	1,3,5-trinitroso-1,3,5-triazine
TPU	total propagated uncertainty
UAL	upper acceptance limit
Sample Types	
WG	groundwater
WS	base flow
Field Prep Codes	
F	filtered
UF	unfiltered
Analysis Type Code	
DL	dilution
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REP	replicate of the initial analysis
RI	reissue
TOTC	calculated total
Sample Purpose	
FD	field duplicate
REG	regular
Analytical Method Category	
General Chemistry	general chemistry
HEXP	high explosives
HRGC/HRMS	high-resolution gas chromatography/high-resolution mass spectrometry
INORGANIC	inorganic
LCMS/MS	liquid chromatography [dual] mass spectrometry
LCMS/MS HIGH EXPLOSIVES	liquid chromatography [dual] mass spectrometry for high explosives
LCMS/MS PERCHLORATE	liquid chromatography [dual] mass spectrometry for perchlorate
LEGACY	legacy
PCBCONGENERS	PCB congeners
PESTPCB	pesticides/PCBs
RAD	radiological

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Analytical Method Category (continued)	
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbons
VOC	volatile organic compound
Detect Flag and Best Value Flag Codes	
N	no
Y	yes
Laboratory Codes	
AAL	Assaigai Analytical Laboratories, Inc.
ACCU	Acculabs Technologies, Inc.
ALTC	Alta Analytical Laboratory, Inc.
ARS	American Radiation Services, Inc.
ARSL	American Radiation Services-Primary
ATICO	Analytical Technologies, Inc., Historical code one
BABC	Edward S. Babcock & Sons, Inc., Riverside, CA
BAL	Brooks Applied Labs
CFA	Cape Fear Analytical, LLC, Wilmington, NC, Affiliate of GEL Laboratories, LLC, Charleston, SC
C-INC	Isotope and Nuclear Chemistry (LANL)
COAST	Coastal Science Laboratories, Inc.
CST	Chemical Sciences and Technology (LANL)
DRI	Desert Research Institute
EES6	Environmental Sciences (LANL)
GELC/GEL	GEL Laboratories, LLC, Division of the GEL Group, Inc., Charleston, SC
GEO	Geochron Laboratories
HUFFMAN	Huffman Laboratories, Inc.
KA	KEMRON Environmental Services, Inc.
LVLI	Lionville Laboratory, Inc.
NA	not available
PARA	ALS Environmental, Ft. Collins, CO
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Weston Solutions (formerly Roy F. Weston), West Chester, PA
SGSW	Paradigm Environmental Services, Inc.
SHEALY	Shealy Labs
SILENS	Stable Isotopes Laboratory
STL2	Severn Trent Laboratories, Inc., Richland Historical
STLA	Severn Trent Laboratories, Inc., Los Angeles
STR	Severn Trent Laboratories, Inc., Richland

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Laboratory Codes (continued)	
STSL	Severn Trent Laboratories, Inc., St. Louis
SwRI	Southwest Research Institute
UAZ	University of Arizona
UIL	University of Illinois
UMTL	University of Miami Tritium Lab
UNK	Unknown (from historical Environmental Remediation Database migration)

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

Analytical Laboratory Qualifiers

Qualifier	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).
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.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
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*	(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.
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*	(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.
J	(Organic/Inorganic)—The associated numerical value is an estimated quantity.
N	(Inorganic)—Spiked sample recovery was not within control limits.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
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.

Analytical Laboratory Qualifiers (continued)

Qualifier	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.
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

Qualifier	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 QC acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

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

Location ID	Screen Depth (ft)	Sample Date	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
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	9.26	—	—	0.01	SU	Y	H	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	26.1	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	68.4	—	—	68	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0507	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	27.4	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	26.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.9	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	44.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	43.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	80.9	—	—	30	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	30.8	—	—	30	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.24	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.23	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	2.04	—	—	2	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.27	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.12	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.017	—	—	0.017	mg/L	Y	U	UJ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.069	—	—	0.05	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.599	—	—	0.599	ng/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.726	—	—	0.726	ng/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.726	—	—	0.726	ng/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.06	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	57.9	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	57.1	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.133	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.201	—	—	0.033	mg/L	Y	—	J+	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.87	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	N	0	—	—	—	ng/L	Y	U	U	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0337	—	—	0.02	mg/L	Y	J	U	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.178	—	—	0.067	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.164	—	—	0.067	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	5.34	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	5.17	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	5.15	—	—	3.3	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	7.21	—	—	3.3	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.49	—	—	0.49	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.49	—	—	0.49	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.294	—	—	0.294	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Acenaphthene	83-32-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Acenaphthylene	208-96-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	Y	5.58	—	—	1.74	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Acetonitrile	75-05-8	N	8.33	—	—	8.33	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Acrolein	107-02-8	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Acrylonitrile	107-13-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	46.8	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	388	—	—	68	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	605	—	—	68	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00473	0.00473	0.0479	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0447	—	—	0.017	mg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Aniline	62-53-3	N	4.2	—	—	4.2	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Anthracene	120-12-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Atrazine	1912-24-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Azobenzene	103-33-3	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	47.1	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	46.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Benzene	71-43-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzidine	92-87-5	N	3.9	—	—	3.9	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(a)anthracene	56-55-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(a)pyrene	50-32-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(b)fluoranthene	205-99-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(g,h,i)perylene	191-24-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(k)fluoranthene	207-08-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzoic Acid	65-85-0	N	6	—	—	6	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzyl Alcohol	100-51-6	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-chloroethoxy)methane	111-91-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-chloroethyl)ether	111-44-4	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromobenzene	108-86-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromochloromethane	74-97-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromodichloromethane	75-27-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromoform	75-25-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromomethane	74-83-9	N	0.337	—	—	0.337	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bromophenyl-phenylether[4-]	101-55-3	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Butanol[1-]	71-36-3	N	21.1	—	—	21.1	µg/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Butanone[2-]	78-93-3	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[n-]	104-51-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[sec-]	135-98-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[tert-]	98-06-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Butylbenzylphthalate	85-68-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Carbon Disulfide	75-15-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Carbon Tetrachloride	56-23-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.93	1.64	4.61	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	13.7	—	—	0.134	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1,3-butadiene[2-]	126-99-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1-propene[3-]	107-05-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chloro-3-methylphenol[4-]	59-50-7	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chloroaniline[4-]	106-47-8	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorobenzene	108-90-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorodibromomethane	124-48-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloroethane	75-00-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloroform	67-66-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloromethane	74-87-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chloronaphthalene[2-]	91-58-7	N	0.41	—	—	0.41	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chlorophenol[2-]	95-57-8	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[2-]	95-49-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[4-]	106-43-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chrysene	218-01-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.42	1.35	4.68	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Di-n-butylphthalate	84-74-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Di-n-octylphthalate	117-84-0	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dibenz(a,h)anthracene	53-70-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dibenzofuran	132-64-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dibromoethane[1,2-]	106-93-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dibromomethane	74-95-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,2-]	95-50-1	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,2-]	95-50-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,3-]	541-73-1	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,3-]	541-73-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,4-]	106-46-7	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,4-]	106-46-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzidine[3,3'-]	91-94-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorodifluoromethane	75-71-8	N	0.355	—	—	0.355	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,1-]	75-34-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,2-]	107-06-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[1,1-]	75-35-4	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis-1,2-]	156-59-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis/trans-1,2-]	540-59-0	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[trans-1,2-]	156-60-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorophenol[2,4-]	120-83-2	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,2-]	78-87-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,3-]	142-28-9	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[2,2-]	594-20-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[1,1-]	563-58-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[cis-1,3-]	10061-01-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[trans-1,3-]	10061-02-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Diethyl Ether	60-29-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Diethylphthalate	84-66-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dimethyl Phthalate	131-11-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dimethylphenol[2,4-]	105-67-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrophenol[2,4-]	51-28-5	N	5	—	—	5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrotoluene[2,4-]	121-14-2	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrotoluene[2,6-]	606-20-2	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinoseb	88-85-7	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dioxane[1,4-]	123-91-1	N	3	—	—	3	µg/L	N	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	Y	0.139	—	—	0.1	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Diphenylamine	122-39-4	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	DNX	DNX	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Ethyl Methacrylate	97-63-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Ethylbenzene	100-41-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Fluoranthene	206-44-0	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Fluorene	86-73-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.134	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.752	0.588	2.85	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	1.75	0.826	2.67	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorobenzene	118-74-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Hexachlorobutadiene	87-68-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorobutadiene	87-68-3	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorocyclopentadiene	77-47-4	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachloroethane	67-72-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Hexanone[2-]	591-78-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Iodomethane	74-88-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	214	—	—	30	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	332	—	—	30	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Isobutyl alcohol	78-83-1	N	16.7	—	—	16.7	µg/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Isophorone	78-59-1	N	3.5	—	—	3.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Isopropylbenzene	98-82-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	3.48	—	—	2	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Methacrylonitrile	126-98-7	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Methyl Methacrylate	80-62-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Methyl tert-Butyl Ether	1634-04-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Methyl-2-pentanone[4-]	108-10-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Methylene Chloride	75-09-2	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylnaphthalene[1-]	90-12-0	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylnaphthalene[2-]	91-57-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylphenol[2-]	95-48-7	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylphenol[3-,4-]	65794-96-9	N	3.7	—	—	3.7	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	MNX	MNX	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.895	—	—	0.2	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.849	—	—	0.2	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Naphthalene	91-20-3	N	0.333	—	—	0.333	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.29	2.79	10.2	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[2-]	88-74-4	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[3-]	99-09-2	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[4-]	100-01-6	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrobenzene	98-95-3	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrophenol[2-]	88-75-5	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrophenol[4-]	100-02-7	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroso-di-n-butylamine[N-]	924-16-3	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroso-di-n-propylamine[N-]	621-64-7	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosodiethylamine[N-]	55-18-5	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosodimethylamine[N-]	62-75-9	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosopyrrolidine[N-]	930-55-2	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0803	—	—	0.0803	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.147	—	—	0.147	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pentachlorobenzene	608-93-5	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pentachlorophenol	87-86-5	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.1	—	—	0.05	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.0979	—	—	0.0979	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Phenanthrene	85-01-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Phenol	108-95-2	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0073	0.0497	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00893	0.0837	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36	28.5	50.1	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Prometon	1610-18-0	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Propionitrile	107-12-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Propylbenzene[1-]	103-65-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pyrene	129-00-0	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pyridine	110-86-1	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.701	0.255	0.672	—	pCi/L	Y	—	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	0.929	0.298	—	—	pCi/L	Y	—	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.229	0.155	0.507	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	39.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	39	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-4.53	1.9	4.12	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	69.4	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	68.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.53	0.158	0.47	—	pCi/L	Y	—	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Styrene	100-42-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.18	—	—	0.133	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Sulfolane	126-33-0	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.294	—	—	0.294	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethene	127-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TNX	TNX	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Toluene	108-88-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.175	—	—	0.033	mg/L	Y	—	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.39	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0673	—	—	0.02	mg/L	Y	—	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,3-]	87-61-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,4-]	120-82-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorobenzene[1,2,4-]	120-82-1	N	3	—	—	3	µg/L	N	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,1-]	71-55-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,2-]	79-00-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethene	79-01-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichlorofluoromethane	75-69-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorophenol[2,4,5-]	95-95-4	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorophenol[2,4,6-]	88-06-2	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloropropane[1,2,3-]	96-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,2,4-]	95-63-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,3,5-]	108-67-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0783	—	—	0.0783	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.294	—	—	0.294	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.00859	0.00997	0.0456	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00843	0.0296	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.00241	0.00799	0.0386	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	2.63	—	—	1	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	2.71	—	—	1	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Vinyl acetate	108-05-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Vinyl Chloride	75-01-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,2-]	95-47-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.483	—	—	0.483	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.483	—	—	0.483	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.29	—	—	0.29	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Acenaphthene	83-32-9	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Acenaphthylene	208-96-8	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	N	3.22	—	—	1.74	µg/L	Y	J	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Acetonitrile	75-05-8	N	8.33	—	—	8.33	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.17	—	—	0.01	SU	Y	H	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Acrolein	107-02-8	N	1.67	—	—	1.67	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Acrylonitrile	107-13-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	39	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	1970	—	—	68	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	2640	—	—	68	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00684	0.00823	0.0463	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0969	—	—	0.017	mg/L	Y	—	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Aniline	62-53-3	N	4.13	—	—	4.13	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Anthracene	120-12-7	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.74	—	—	2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.77	—	—	2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Atrazine	1912-24-9	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Azobenzene	103-33-3	N	2.95	—	—	2.95	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	68.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	72.7	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Benzene	71-43-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzidine	92-87-5	N	3.83	—	—	3.83	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(a)anthracene	56-55-3	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(a)pyrene	50-32-8	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(b)fluoranthene	205-99-2	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(g,h,i)perylene	191-24-2	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(k)fluoranthene	207-08-9	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzoic Acid	65-85-0	N	5.9	—	—	5.9	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Benzyl Alcohol	100-51-6	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-chloroethoxy)methane	111-91-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-chloroethyl)ether	111-44-4	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	15.7	—	—	15	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	15	—	—	15	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromobenzene	108-86-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromochloromethane	74-97-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromodichloromethane	75-27-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromoform	75-25-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Bromomethane	74-83-9	N	0.337	—	—	0.337	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Bromophenyl-phenylether[4-]	101-55-3	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Butanol[1-]	71-36-3	N	21.1	—	—	21.1	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Butanone[2-]	78-93-3	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[n-]	104-51-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[sec-]	135-98-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[tert-]	98-06-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Butylbenzylphthalate	85-68-7	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Carbon Disulfide	75-15-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Carbon Tetrachloride	56-23-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.346	1.21	4.32	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	37.7	—	—	0.335	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1,3-butadiene[2-]	126-99-8	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1-propene[3-]	107-05-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chloro-3-methylphenol[4-]	59-50-7	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chloroaniline[4-]	106-47-8	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorobenzene	108-90-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorodibromomethane	124-48-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloroethane	75-00-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloroform	67-66-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chloromethane	74-87-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chloronaphthalene[2-]	91-58-7	N	0.403	—	—	0.403	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chlorophenol[2-]	95-57-8	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[2-]	95-49-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[4-]	106-43-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Chrysene	218-01-9	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.5	1.2	3.75	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Di-n-butylphthalate	84-74-2	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Di-n-octylphthalate	117-84-0	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dibenz(a,h)anthracene	53-70-3	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dibenzofuran	132-64-9	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dibromoethane[1,2-]	106-93-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dibromomethane	74-95-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,2-]	95-50-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,2-]	95-50-1	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,3-]	541-73-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,3-]	541-73-1	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,4-]	106-46-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,4-]	106-46-7	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzidine[3,3'-]	91-94-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichlorodifluoromethane	75-71-8	N	0.355	—	—	0.355	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,1-]	75-34-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,2-]	107-06-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[1,1-]	75-35-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis-1,2-]	156-59-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis/trans-1,2-]	540-59-0	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[trans-1,2-]	156-60-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorophenol[2,4-]	120-83-2	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,2-]	78-87-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,3-]	142-28-9	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[2,2-]	594-20-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[1,1-]	563-58-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[cis-1,3-]	10061-01-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[trans-1,3-]	10061-02-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Diethyl Ether	60-29-7	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Diethylphthalate	84-66-2	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dimethyl Phthalate	131-11-3	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dimethylphenol[2,4-]	105-67-9	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitro-2-methylphenol[4,6-]	534-52-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrophenol[2,4-]	51-28-5	N	4.91	—	—	4.91	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrotoluene[2,4-]	121-14-2	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrotoluene[2,6-]	606-20-2	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dinoseb	88-85-7	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Dioxane[1,4-]	123-91-1	N	2.95	—	—	2.95	µg/L	N	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	Y	0.111	—	—	0.1	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Diphenylamine	122-39-4	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	DNX	DNX	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Ethyl Methacrylate	97-63-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Ethylbenzene	100-41-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Fluoranthene	206-44-0	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Fluorene	86-73-7	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.108	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.196	0.391	2.22	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	3.09	0.787	2.12	—	pCi/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	56.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	57.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorobenzene	118-74-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Hexachlorobutadiene	87-68-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorobutadiene	87-68-3	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorocyclopentadiene	77-47-4	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Hexachloroethane	67-72-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Hexanone[2-]	591-78-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	Y	0.215	—	—	0.0773	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Iodomethane	74-88-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	1010	—	—	30	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	1320	—	—	30	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Isobutyl alcohol	78-83-1	N	16.7	—	—	16.7	µg/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Isophorone	78-59-1	N	3.44	—	—	3.44	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Isopropylbenzene	98-82-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.529	—	—	0.5	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.785	—	—	0.5	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.34	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	5.28	—	—	2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	10.3	—	—	2	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Methacrylonitrile	126-98-7	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Methyl Methacrylate	80-62-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Methyl tert-Butyl Ether	1634-04-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Methyl-2-pentanone[4-]	108-10-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Methylene Chloride	75-09-2	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylnaphthalene[1-]	90-12-0	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylnaphthalene[2-]	91-57-6	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylphenol[2-]	95-48-7	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Methylphenol[3-,4-]	65794-96-9	N	3.64	—	—	3.64	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	MNX	MNX	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.637	—	—	0.2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.569	—	—	0.2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Naphthalene	91-20-3	N	0.333	—	—	0.333	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Naphthalene	91-20-3	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.07	2.11	7.29	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.08	—	—	0.6	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.49	—	—	0.6	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[2-]	88-74-4	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[3-]	99-09-2	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[4-]	100-01-6	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrobenzene	98-95-3	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrophenol[2-]	88-75-5	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrophenol[4-]	100-02-7	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroso-di-n-butylamine[N-]	924-16-3	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitroso-di-n-propylamine[N-]	621-64-7	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosodiethylamine[N-]	55-18-5	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosodimethylamine[N-]	62-75-9	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosopyrrolidine[N-]	930-55-2	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0792	—	—	0.0792	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.145	—	—	0.145	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pentachlorobenzene	608-93-5	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pentachlorophenol	87-86-5	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.257	—	—	0.05	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.598	—	—	0.598	ng/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2.82	—	—	0.725	ng/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	0.993	—	—	0.725	ng/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.0966	—	—	0.0966	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Phenanthrene	85-01-8	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Phenol	108-95-2	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00845	0.047	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0276	0.0109	0.0792	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.2	19.1	71.2	—	pCi/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Prometon	1610-18-0	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Propionitrile	107-12-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Propylbenzene[1-]	103-65-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pyrene	129-00-0	N	0.295	—	—	0.295	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Pyridine	110-86-1	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.681	0.256	0.702	—	pCi/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.815	0.282	—	—	pCi/L	Y	—	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.133	0.117	0.4	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	33.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	35.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	28.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	27.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.117	1.13	4.55	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	248	—	—	1	µS/cm	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	107	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	108	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.793	0.153	0.384	—	pCi/L	Y	—	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Styrene	100-42-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Sulfolane	126-33-0	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.29	—	—	0.29	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethene	127-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TNX	TNX	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Toluene	108-88-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.187	—	—	0.033	mg/L	Y	—	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.09	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	3.813	—	—	—	ng/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0564	—	—	0.02	mg/L	Y	—	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,3-]	87-61-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,4-]	120-82-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorobenzene[1,2,4-]	120-82-1	N	2.95	—	—	2.95	µg/L	N	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,1-]	71-55-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,2-]	79-00-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethene	79-01-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichlorofluoromethane	75-69-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorophenol[2,4,5-]	95-95-4	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorophenol[2,4,6-]	88-06-2	N	2.95	—	—	2.95	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trichloropropane[1,2,3-]	96-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,2,4-]	95-63-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,3,5-]	108-67-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0773	—	—	0.0773	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.29	—	—	0.29	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.084	—	—	0.067	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	-0.00828	0.0145	0.0647	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00423	0.00946	0.042	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0205	0.0109	0.0547	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	4.17	—	—	1	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	4.24	—	—	1	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Vinyl acetate	108-05-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Vinyl Chloride	75-01-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,2-]	95-47-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	6.33	—	—	3.3	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	6.66	—	—	3.3	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.38	—	—	0.01	SU	Y	H	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.41	—	—	1.45	mg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.63	—	—	2	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.8	—	—	2	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	37.8	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	37.3	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	25.6	—	—	15	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	20.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	20	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.4	—	—	0.067	mg/L	Y	—	J+	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.78	—	—	3	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.83	—	—	3	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	69.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	68	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.47	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.37	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	N	2	—	—	2	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	N	1.03	—	—	0.2	µg/L	Y	—	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.17	—	—	0.2	µg/L	Y	—	J+	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.673	—	—	0.017	mg/L	Y	—	J-	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.522	—	—	0.05	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.49	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	66.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	65.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	212	—	—	1	µS/cm	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	117	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	115	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	6.07	—	—	0.133	mg/L	Y	—	J+	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.137	—	—	0.033	mg/L	Y	—	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.337	—	—	0.33	mg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0316	—	—	0.02	mg/L	Y	J	U	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.01	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	9.68	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	9.42	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	4.94	—	—	3.3	µg/L	Y	J	U	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/04/2021	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	4.63	—	—	3.3	µg/L	Y	J	U	N3B-2022-40	CAWR-22-234622	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.56	—	—	0.01	SU	Y	H	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.51	—	—	0.01	SU	Y	H	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.63	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.23	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	116	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	2040	—	—	68	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Aluminum	Al	Y	1590	—	—	68	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.061	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0721	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.55	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.13	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	4.48	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	4.1	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	92.2	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	70.8	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Barium	Ba	Y	89.1	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Barium	Ba	Y	74.8	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	42.3	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	40.7	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Boron	B	Y	41.7	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Boron	B	Y	40.9	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	42.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	39.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Calcium	Ca	Y	43.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Calcium	Ca	Y	40.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.73	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.67	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.428	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.44	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	132	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	140	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	128	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	141	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	1290	—	—	30	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Iron	Fe	Y	990	—	—	30	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	1.33	—	—	0.5	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	Y	1.24	—	—	0.5	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	8.17	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.31	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Magnesium	Mg	Y	8	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.59	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	90.3	—	—	2	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	20.9	—	—	2	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Manganese	Mn	Y	86.4	—	—	2	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Manganese	Mn	Y	60.5	—	—	2	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC

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Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	7.18	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.18	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	7.04	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.9	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.87	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.602	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.7	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.644	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0432	—	—	0.017	mg/L	Y	J	J-	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0412	—	—	0.017	mg/L	Y	J	J-	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.077	—	—	0.05	µg/L	Y	HJ	J-	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.078	—	—	0.05	µg/L	Y	HJ	J-	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.554	—	—	0.554	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.573	—	—	0.573	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.671	—	—	0.671	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.695	—	—	0.695	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.671	—	—	0.671	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.695	—	—	0.695	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.31	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.88	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Potassium	K	Y	3.27	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Potassium	K	Y	2.95	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	33	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	21.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	30.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	22.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	20.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	20	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Sodium	Na	Y	20.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	369	—	—	1	µS/cm	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	362	—	—	1	µS/cm	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	331	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	312	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Strontium	Sr	Y	335	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	49.8	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	48.5	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Tin	Sn	Y	2.04	—	—	1	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	229	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.446	—	—	0.033	mg/L	Y	—	J+	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.439	—	—	0.033	mg/L	Y	—	J+	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.28	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.27	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	N	0	—	—	—	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	N	0	—	—	—	ng/L	Y	U	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0323	—	—	0.02	mg/L	Y	J	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0323	—	—	0.02	mg/L	Y	J	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	2.14	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.19	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.17	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	2.22	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	8.01	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	5.27	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Vanadium	V	Y	7.28	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	FD	Inorganic	SW-846:6010D	Zinc	Zn	N	8.25	—	—	3.3	µg/L	Y	J	U	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	11.2	—	—	3.3	µg/L	Y	J	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	7.94	—	—	3.3	µg/L	Y	J	U	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	UF	INIT	FD	Inorganic	SW-846:6010D	Zinc	Zn	N	10.5	—	—	3.3	µg/L	Y	J	U	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Acenaphthene	83-32-9	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Acenaphthylene	208-96-8	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	N	7.42	—	—	1.74	µg/L	Y	—	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Acetonitrile	75-05-8	N	8.33	—	—	8.33	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.53	—	—	0.01	SU	Y	H	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Acrolein	107-02-8	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Acrylonitrile	107-13-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	8.84	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	118	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	4730	—	—	68	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	1580	—	—	68	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0278	0.0147	0.141	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.075	—	—	0.017	mg/L	Y	—	UJ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0704	—	—	0.017	mg/L	Y	—	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Aniline	62-53-3	N	4.18	—	—	4.18	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Anthracene	120-12-7	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1262	37324-23-5	N	0.0327	—	—	0.0327	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.88	—	—	2	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	5.09	—	—	2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.23	—	—	2	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.87	—	—	2	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Atrazine	1912-24-9	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Azobenzene	103-33-3	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	57.9	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	114	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	73.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	59.9	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Benzene	71-43-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzidine	92-87-5	N	3.88	—	—	3.88	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(a)anthracene	56-55-3	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(a)pyrene	50-32-8	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(b)fluoranthene	205-99-2	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(g,h,i)perylene	191-24-2	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzo(k)fluoranthene	207-08-9	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzoic Acid	65-85-0	N	5.96	—	—	5.96	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Benzyl Alcohol	100-51-6	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-chloroethoxy)methane	111-91-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-chloroethyl)ether	111-44-4	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	36.4	—	—	15	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	42.7	—	—	15	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	41.1	—	—	15	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	38.5	—	—	15	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromobenzene	108-86-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromochloromethane	74-97-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromodichloromethane	75-27-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromoform	75-25-2	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromomethane	74-83-9	N	0.337	—	—	0.337	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Bromophenyl-phenylether[4-]	101-55-3	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Butanol[1-]	71-36-3	N	21.1	—	—	21.1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Butanone[2-]	78-93-3	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[n-]	104-51-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[sec-]	135-98-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[tert-]	98-06-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Butylbenzylphthalate	85-68-7	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	37.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	43.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	40.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	38.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Carbon Disulfide	75-15-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Carbon Tetrachloride	56-23-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.854	1.2	4.47	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.78	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.35	—	—	0.067	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1,3-butadiene[2-]	126-99-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1-propene[3-]	107-05-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Chloro-3-methylphenol[4-]	59-50-7	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Chloroaniline[4-]	106-47-8	N	3.28	—	—	3.28	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorobenzene	108-90-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorodibromomethane	124-48-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloroethane	75-00-3	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloroform	67-66-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloromethane	74-87-3	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Chloronaphthalene[2-]	91-58-7	N	0.408	—	—	0.408	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Chlorophenol[2-]	95-57-8	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[2-]	95-49-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[4-]	106-43-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.25	—	—	3	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Chrysene	218-01-9	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	Y	1.76	—	—	1	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.433	1.79	5.38	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	4.53	—	—	3	µg/L	Y	J	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	8.47	—	—	3	µg/L	Y	J	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Di-n-butylphthalate	84-74-2	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Di-n-octylphthalate	117-84-0	N	0.298	—	—	0.298	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dibenz(a,h)anthracene	53-70-3	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dibenzofuran	132-64-9	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromoethane[1,2-]	106-93-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromomethane	74-95-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,2-]	95-50-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,2-]	95-50-1	N	2.98	—	—	2.98	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,3-]	541-73-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,3-]	541-73-1	N	2.98	—	—	2.98	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,4-]	106-46-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzene[1,4-]	106-46-7	N	2.98	—	—	2.98	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorobenzidine[3,3'-]	91-94-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorodifluoromethane	75-71-8	N	0.355	—	—	0.355	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,1-]	75-34-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,2-]	107-06-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[1,1-]	75-35-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis-1,2-]	156-59-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis/trans-1,2-]	540-59-0	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[trans-1,2-]	156-60-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dichlorophenol[2,4-]	120-83-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,2-]	78-87-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,3-]	142-28-9	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[2,2-]	594-20-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[1,1-]	563-58-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[cis-1,3-]	10061-01-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[trans-1,3-]	10061-02-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Diethyl Ether	60-29-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Diethylphthalate	84-66-2	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dimethyl Phthalate	131-11-3	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dimethylphenol[2,4-]	105-67-9	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dinitro-2-methylphenol[4,6-]	534-52-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrophenol[2,4-]	51-28-5	N	4.97	—	—	4.97	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrotoluene[2,4-]	121-14-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dinitrotoluene[2,6-]	606-20-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dinoseb	88-85-7	N	2.98	—	—	2.98	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Dioxane[1,4-]	123-91-1	N	16.7	—	—	16.7	µg/L	N	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Dioxane[1,4-]	123-91-1	N	2.98	—	—	2.98	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	—	0.1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Diphenylamine	122-39-4	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Ethyl Methacrylate	97-63-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Ethylbenzene	100-41-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Fluoranthene	206-44-0	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Fluorene	86-73-7	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.393	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.486	—	—	0.033	mg/L	Y	—	J-	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	4.24	1.27	2.77	—	pCi/L	Y	—	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.45	0.849	2.53	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	123	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	143	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	134	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	124	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	Y	0.00000552	—	—	0.0000191	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	Y	0.00000552	—	—	0.0000191	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	N	0.00000525	—	—	0.0000151	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	55673-89-7	N	0.00000525	—	—	0.0000184	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	Y	0.00000584	—	—	0.0000151	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorobenzene	118-74-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Hexachlorobutadiene	87-68-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorobutadiene	87-68-3	N	2.98	—	—	2.98	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Hexachlorocyclopentadiene	77-47-4	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	39227-28-6	N	0.00000525	—	—	0.0000249	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	57653-85-7	N	0.00000525	—	—	0.0000171	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	19408-74-3	N	0.00000525	—	—	0.0000214	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzodioxins (Total)	34465-46-8	N	0	—	—	0.0000171	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9	N	0.00000525	—	—	0.0000208	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	N	0.00000525	—	—	0.000016	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,7,8,9-]	72918-21-9	N	0.00000525	—	—	0.0000234	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzofuran[2,3,4,6,7,8-]	60851-34-5	N	0.00000525	—	—	0.000016	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Hexachlorodibenzofurans (Total)	55684-94-1	N	0	—	—	0.000016	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Hexachloroethane	67-72-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Hexanone[2-]	591-78-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Iodomethane	74-88-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	36.5	—	—	30	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	3170	—	—	30	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	972	—	—	30	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Isobutyl alcohol	78-83-1	N	16.7	—	—	16.7	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Isophorone	78-59-1	N	3.48	—	—	3.48	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Isopropylbenzene	98-82-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	Y	0.66	—	—	0.333	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	2.65	—	—	0.5	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.949	—	—	0.5	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	6.94	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	8.55	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.72	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.01	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	7.92	—	—	2	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	133	—	—	2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	49.2	—	—	2	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	5.61	—	—	2	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.121	—	—	0.067	µg/L	Y	J	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.128	—	—	0.067	µg/L	Y	J	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Methacrylonitrile	126-98-7	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl Methacrylate	80-62-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl tert-Butyl Ether	1634-04-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl-2-pentanone[4-]	108-10-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Methylene Chloride	75-09-2	N	0.62	—	—	0.5	µg/L	Y	J	U	N3B-2022-64	CAWR-22-234625	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Methylnaphthalene[1-]	90-12-0	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Methylnaphthalene[2-]	91-57-6	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Methylphenol[2-]	95-48-7	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Methylphenol[3-,4-]	65794-96-9	N	3.68	—	—	3.68	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.98	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.77	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.3	—	—	0.2	µg/L	Y	—	J+	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.4	—	—	0.2	µg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Naphthalene	91-20-3	N	0.333	—	—	0.333	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Naphthalene	91-20-3	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.89	2.36	8.5	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.784	—	—	0.6	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	3.43	—	—	0.6	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.78	—	—	0.6	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.67	—	—	0.6	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0539	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0407	—	—	0.017	mg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[2-]	88-74-4	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[3-]	99-09-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitroaniline[4-]	100-01-6	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitrobenzene	98-95-3	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitrophenol[2-]	88-75-5	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitrophenol[4-]	100-02-7	N	2.98	—	—	2.98	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitroso-di-n-butylamine[N-]	924-16-3	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitroso-di-n-propylamine[N-]	621-64-7	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosodiethylamine[N-]	55-18-5	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosodimethylamine[N-]	62-75-9	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Nitrosopyrrolidine[N-]	930-55-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	Y	0.0000679	—	—	0.000035	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	N	0.0000105	—	—	0.00004	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Pentachlorobenzene	608-93-5	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Pentachlorodibenzodioxin[1,2,3,7,8-]	40321-76-4	N	0.00000525	—	—	0.0000228	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Pentachlorodibenzodioxins (Total)	36088-22-9	N	0	—	—	0.0000228	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Pentachlorodibenzofuran[1,2,3,7,8-]	57117-41-6	N	0.00000525	—	—	0.0000196	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Pentachlorodibenzofuran[2,3,4,7,8-]	57117-31-4	N	0.00000525	—	—	0.0000219	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Pentachlorodibenzofurans (Totals)	30402-15-4	N	0	—	—	0.0000196	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Pentachlorophenol	87-86-5	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.053	—	—	0.05	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.076	—	—	0.05	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Phenanthrene	85-01-8	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Phenol	108-95-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	Y	0.206	0.0248	0.0559	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	Y	0.119	0.0211	0.0556	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.21	—	—	0.05	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.82	—	—	0.05	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.23	17.6	67.4	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Prometon	1610-18-0	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Propionitrile	107-12-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Propylbenzene[1-]	103-65-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Pyrene	129-00-0	N	0.298	—	—	0.298	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Pyridine	110-86-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	1.19	0.211	0.265	—	pCi/L	Y	—	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	N	1.32	0.266	—	—	pCi/L	Y	—	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.132	0.162	0.563	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC

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Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	18.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	42.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	29.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	20.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	J+	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	J+	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	21	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	20.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.242	1.11	3.82	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	336	—	—	1	µS/cm	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	417	—	—	1	µS/cm	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	286	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	323	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	305	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.24	0.146	0.48	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Styrene	100-42-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	54.2	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	51.2	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Sulfolane	126-33-0	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	N	0.00000105	—	—	0.00000428	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Tetrachlorodibenzodioxins (Total)	41903-57-5	N	0	—	—	0.00000428	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9	N	0.00000105	—	—	0.00000405	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Tetrachlorodibenzofurans (Totals)	55722-27-5	N	0	—	—	0.00000405	µg/L	Y	U	U	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethene	127-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Toluene	108-88-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	234	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	—	3.4	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.554	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.253	—	—	0.033	mg/L	Y	—	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.95	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.1	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.246	—	—	0.02	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.02	mg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,3-]	87-61-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,4-]	120-82-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorobenzene[1,2,4-]	120-82-1	N	2.98	—	—	2.98	µg/L	N	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,1-]	71-55-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,2-]	79-00-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethene	79-01-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorofluoromethane	75-69-4	N	0.333	—	—	0.333	µg/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorophenol[2,4,5-]	95-95-4	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	SVOC	SW-846:8270E	Trichlorophenol[2,4,6-]	88-06-2	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloropropane[1,2,3-]	96-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,2,4-]	95-63-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,3,5-]	108-67-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	Generic:Low_Level_Tr	Tritium	H-3	Y	9.86	1.802	2.993	—	pCi/L	Y	—	J	N3B-2022-120	CAWR-22-234625	ARSL
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.64	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.72	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.68	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.49	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.17	0.0786	0.0584	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0367	0.0135	0.0457	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.833	0.0604	0.0566	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	3.14	—	—	1	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	8.96	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	6.77	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	4.44	—	—	1	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Vinyl acetate	108-05-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Vinyl Chloride	75-01-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,2-]	95-47-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	6.37	—	—	3.3	µg/L	Y	J	U	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	18.4	—	—	3.3	µg/L	Y	J	J+	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	9.96	—	—	3.3	µg/L	Y	J	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	6.81	—	—	3.3	µg/L	Y	J	U	N3B-2022-64	CAWR-22-234626	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	N	2.7	—	—	1.74	µg/L	Y	BJ	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Acetone	67-64-1	N	4.9	—	—	1.74	µg/L	Y	BJ	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acetonitrile	75-05-8	N	8.33	—	—	8.33	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Acetonitrile	75-05-8	N	8.33	—	—	8.33	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acrolein	107-02-8	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Acrolein	107-02-8	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acrylonitrile	107-13-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Acrylonitrile	107-13-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	140	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	139	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	70	—	—	68	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	Y	77.1	—	—	68	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.0127	0.0681	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00000000443	0.0152	0.0674	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.116	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.117	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1262	37324-23-5	N	0.0333	—	—	0.0333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	PESTPCB	SW-846:8082A	Aroclor-1262	37324-23-5	N	0.0342	—	—	0.0342	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.67	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.39	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	3.91	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	3.66	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	28.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Benzene	71-43-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Benzene	71-43-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	77.6	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	76.5	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	78.2	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	76	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	3.71	—	—	0.67	mg/L	Y	—	J-	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	3.82	—	—	0.67	mg/L	Y	—	J-	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromobenzene	108-86-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Bromobenzene	108-86-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromochloromethane	74-97-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Bromochloromethane	74-97-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromodichloromethane	75-27-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Bromodichloromethane	75-27-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromoform	75-25-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Bromoform	75-25-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromomethane	74-83-9	N	0.337	—	—	0.337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Bromomethane	74-83-9	N	0.337	—	—	0.337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butanol[1-]	71-36-3	N	21.1	—	—	21.1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Butanol[1-]	71-36-3	N	21.1	—	—	21.1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butanone[2-]	78-93-3	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Butanone[2-]	78-93-3	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[n-]	104-51-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Butylbenzene[n-]	104-51-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[sec-]	135-98-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Butylbenzene[sec-]	135-98-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[tert-]	98-06-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Butylbenzene[tert-]	98-06-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Carbon Disulfide	75-15-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Carbon Disulfide	75-15-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Carbon Tetrachloride	56-23-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Carbon Tetrachloride	56-23-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.109	1.12	4.13	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.27	0.895	4.06	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	44.4	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	45.2	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1,3-butadiene[2-]	126-99-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chloro-1,3-butadiene[2-]	126-99-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1-propene[3-]	107-05-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chloro-1-propene[3-]	107-05-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorobenzene	108-90-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chlorobenzene	108-90-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorodibromomethane	124-48-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chlorodibromomethane	124-48-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloroethane	75-00-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chloroethane	75-00-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloroform	67-66-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chloroform	67-66-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloromethane	74-87-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chloromethane	74-87-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[2-]	95-49-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chlorotoluene[2-]	95-49-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[4-]	106-43-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Chlorotoluene[4-]	106-43-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.76	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.44	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.74	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.23	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.613	1.14	4.3	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.583	1.05	4.35	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00275	—	—	0.00167	mg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00271	—	—	0.00167	mg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromoethane[1,2-]	106-93-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dibromoethane[1,2-]	106-93-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromomethane	74-95-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dibromomethane	74-95-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,2-]	95-50-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichlorobenzene[1,2-]	95-50-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,3-]	541-73-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichlorobenzene[1,3-]	541-73-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,4-]	106-46-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichlorobenzene[1,4-]	106-46-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorodifluoromethane	75-71-8	N	0.355	—	—	0.355	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichlorodifluoromethane	75-71-8	N	0.355	—	—	0.355	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,1-]	75-34-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloroethane[1,1-]	75-34-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,2-]	107-06-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloroethane[1,2-]	107-06-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[1,1-]	75-35-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloroethene[1,1-]	75-35-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis-1,2-]	156-59-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloroethene[cis-1,2-]	156-59-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis/trans-1,2-]	540-59-0	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloroethene[cis/trans-1,2-]	540-59-0	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[trans-1,2-]	156-60-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloroethene[trans-1,2-]	156-60-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,2-]	78-87-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloropropane[1,2-]	78-87-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,3-]	142-28-9	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloropropane[1,3-]	142-28-9	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[2,2-]	594-20-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloropropane[2,2-]	594-20-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[1,1-]	563-58-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloropropene[1,1-]	563-58-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[cis-1,3-]	10061-01-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloropropene[cis-1,3-]	10061-01-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[trans-1,3-]	10061-02-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dichloropropene[trans-1,3-]	10061-02-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Diethyl Ether	60-29-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Diethyl Ether	60-29-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dioxane[1,4-]	123-91-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Dioxane[1,4-]	123-91-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Ethyl Methacrylate	97-63-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Ethyl Methacrylate	97-63-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Ethylbenzene	100-41-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Ethylbenzene	100-41-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.92	0.968	2.78	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.312	0.494	2.87	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.62	1.13	2.85	—	pCi/L	Y	—	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	6.74	0.962	2.67	—	pCi/L	Y	—	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	68.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	68.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Hexachlorobutadiene	87-68-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Hexachlorobutadiene	87-68-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Hexanone[2-]	591-78-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Hexanone[2-]	591-78-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Iodomethane	74-88-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Iodomethane	74-88-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	792	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	543	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	790	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	536	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Isobutyl alcohol	78-83-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Isobutyl alcohol	78-83-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Isopropylbenzene	98-82-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Isopropylbenzene	98-82-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.94	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.82	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.92	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	88.3	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	63.4	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	91.8	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	62	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methacrylonitrile	126-98-7	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Methacrylonitrile	126-98-7	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl Methacrylate	80-62-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Methyl Methacrylate	80-62-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl tert-Butyl Ether	1634-04-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Methyl tert-Butyl Ether	1634-04-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl-2-pentanone[4-]	108-10-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Methyl-2-pentanone[4-]	108-10-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methylene Chloride	75-09-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Methylene Chloride	75-09-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.41	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.44	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Naphthalene	91-20-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Naphthalene	91-20-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.11	2.21	8.39	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.865	1.84	6.62	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.642	—	—	0.6	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.339	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.338	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.14	—	—	0.05	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.137	—	—	0.05	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	4.56	—	—	0.597	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	4.45	—	—	0.587	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	33.7	—	—	0.723	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	32.5	—	—	0.711	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.63	—	—	0.723	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.94	—	—	0.711	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0293	0.0194	0.138	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0000000129	0.0257	0.0958	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0234	0.0234	0.143	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0203	0.0211	0.0996	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.11	17	65.5	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	19.4	14.4	31.7	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Propionitrile	107-12-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Propionitrile	107-12-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Propylbenzene[1-]	103-65-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Propylbenzene[1-]	103-65-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.275	0.101	0.233	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0623	0.0623	0.238	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	Y	0.275	0.208	—	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.449	0.229	—	—	pCi/L	Y	—	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.171	0.182	0.739	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.386	0.221	0.726	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	96.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	95.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	97.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	94.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	62.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	61.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	61.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	60.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.151	1.21	4.4	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.385	0.897	3.78	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	482	—	—	1	µS/cm	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	474	—	—	1	µS/cm	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	73.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	72.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	73.2	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	71.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.128	0.115	0.383	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.281	0.104	0.334	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Styrene	100-42-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Styrene	100-42-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	14.7	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	14.7	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethene	127-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Tetrachloroethene	127-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Toluene	108-88-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Toluene	108-88-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	371	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.618	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.543	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	5.79	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	5.72	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	47.89	—	—	—	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	46.89	—	—	—	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.53	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.5	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,3-]	87-61-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichlorobenzene[1,2,3-]	87-61-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,4-]	120-82-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichlorobenzene[1,2,4-]	120-82-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,1-]	71-55-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichloroethane[1,1,1-]	71-55-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,2-]	79-00-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichloroethane[1,1,2-]	79-00-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethene	79-01-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichloroethene	79-01-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorofluoromethane	75-69-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichlorofluoromethane	75-69-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloropropane[1,2,3-]	96-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trichloropropane[1,2,3-]	96-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,2,4-]	95-63-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trimethylbenzene[1,2,4-]	95-63-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,3,5-]	108-67-8	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Trimethylbenzene[1,3,5-]	108-67-8	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.172	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.168	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.17	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.162	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0949	0.0355	0.124	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.161	0.0359	0.147	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0121	0.017	0.093	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0356	0.0213	0.11	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0146	0.0244	0.122	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0288	0.0237	0.144	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.59	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.31	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.76	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.45	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Vinyl acetate	108-05-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Vinyl acetate	108-05-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Vinyl Chloride	75-01-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Vinyl Chloride	75-01-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,2-]	95-47-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Xylene[1,2-]	95-47-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	VOC	SW-846:8260D	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	15.2	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	12.1	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	15.5	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	07/30/2021	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	12.1	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	N	4.08	—	—	1.74	µg/L	Y	BJ	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acetonitrile	75-05-8	N	8.33	—	—	8.33	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	—	—	0.01	SU	Y	H	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acrolein	107-02-8	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Acrylonitrile	107-13-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.61	—	—	1.45	mg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	131	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00231	0.00951	0.0409	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.115	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1262	37324-23-5	N	0.0337	—	—	0.0337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.92	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.76	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Benzene	71-43-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	94.4	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	96.1	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.02	—	—	0.067	mg/L	Y	—	J-	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromobenzene	108-86-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromochloromethane	74-97-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromodichloromethane	75-27-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromoform	75-25-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Bromomethane	74-83-9	N	0.337	—	—	0.337	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butanol[1-]	71-36-3	N	21.1	—	—	21.1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butanone[2-]	78-93-3	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[n-]	104-51-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[sec-]	135-98-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Butylbenzene[tert-]	98-06-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Carbon Disulfide	75-15-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Carbon Tetrachloride	56-23-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.44	1.15	3.3	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	58	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1,3-butadiene[2-]	126-99-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloro-1-propene[3-]	107-05-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorobenzene	108-90-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorodibromomethane	124-48-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloroethane	75-00-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloroform	67-66-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chloromethane	74-87-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[2-]	95-49-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Chlorotoluene[4-]	106-43-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.29	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.16	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.591	1.08	4.02	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromoethane[1,2-]	106-93-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dibromomethane	74-95-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,2-]	95-50-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,3-]	541-73-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorobenzene[1,4-]	106-46-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichlorodifluoromethane	75-71-8	N	0.355	—	—	0.355	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,1-]	75-34-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethane[1,2-]	107-06-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[1,1-]	75-35-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis-1,2-]	156-59-2	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[cis/trans-1,2-]	540-59-0	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloroethene[trans-1,2-]	156-60-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,2-]	78-87-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[1,3-]	142-28-9	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropane[2,2-]	594-20-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[1,1-]	563-58-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[cis-1,3-]	10061-01-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dichloropropene[trans-1,3-]	10061-02-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Diethyl Ether	60-29-7	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Dioxane[1,4-]	123-91-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Ethyl Methacrylate	97-63-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Ethylbenzene	100-41-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.16	0.89	2.81	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.19	1.06	2.76	—	pCi/L	Y	—	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	60.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Hexachlorobutadiene	87-68-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Hexanone[2-]	591-78-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Iodomethane	74-88-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	129	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	97.1	—	—	30	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Isobutyl alcohol	78-83-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Isopropylbenzene	98-82-8	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.73	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.67	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.21	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methacrylonitrile	126-98-7	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl Methacrylate	80-62-6	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl tert-Butyl Ether	1634-04-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methyl-2-pentanone[4-]	108-10-1	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Methylene Chloride	75-09-2	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.02	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.99	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Naphthalene	91-20-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.06	1.97	6.39	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.719	—	—	0.6	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.751	—	—	0.6	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.06	—	—	0.085	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.499	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.95	—	—	0.594	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	14.6	—	—	0.72	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	12.2	—	—	0.72	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0282	0.332	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0199	0.345	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.43	17.6	70.3	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Propionitrile	107-12-0	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Propylbenzene[1-]	103-65-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.266	0.114	0.327	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.342	0.169	—	—	pCi/L	Y	—	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.076	0.124	0.449	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	88.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	88.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC

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

Location ID	Screen Depth (ft)	Sample Date	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
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	73.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	72.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.83	1.17	3.92	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	518	—	—	1	µS/cm	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	54.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.112	0.067	0.221	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Styrene	100-42-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	17.2	—	—	1.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Tetrachloroethene	127-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Toluene	108-88-3	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	366	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.718	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.6	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	29.75	—	—	—	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.57	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.98	—	—	2.98	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,3-]	87-61-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorobenzene[1,2,4-]	120-82-1	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,1-]	71-55-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethane[1,1,2-]	79-00-5	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloroethene	79-01-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichlorofluoromethane	75-69-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trichloropropane[1,2,3-]	96-18-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,2,4-]	95-63-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Trimethylbenzene[1,3,5-]	108-67-8	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.233	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.236	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0865	0.0211	0.0803	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00778	0.0135	0.06	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0535	0.0157	0.079	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.16	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Vinyl acetate	108-05-4	N	1.67	—	—	1.67	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Vinyl Chloride	75-01-4	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,2-]	95-47-6	N	0.333	—	—	0.333	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	VOC	SW-846:8260D	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.667	—	—	0.667	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	39	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	42.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	9.26	—	—	0.01	SU	Y	H	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	26.1	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2	—	—	1.45	mg/L	Y	J	J	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2	—	—	1.45	mg/L	Y	J	J	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.6	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.8	—	—	0.725	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65	—	—	0.725	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	68.4	—	—	68	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Aluminum	Al	Y	85.2	—	—	68	µg/L	Y	J	J	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0507	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0437	—	—	0.017	mg/L	Y	J	J	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0897	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.134	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.106	—	—	0.017	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.107	—	—	0.017	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	26.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	27.4	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	33.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	35.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	28.5	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	28.2	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	29.7	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	28.1	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	35	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	31.4	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	37.2	—	—	1	µg/L	Y	—	J	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	13.8	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	13.6	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.9	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	13.5	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	14.4	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.9	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.54	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.57	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.55	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.54	—	—	0.067	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	2.55	—	—	0.067	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.43	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.312	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.307	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.294	—	—	0.033	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	43.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	44.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	58.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	60.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	49.9	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	50.3	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	49.4	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	48.8	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	56.5	—	—	0.453	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	48.2	—	—	0.453	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	48.5	—	—	0.35	mg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	50.2	—	—	0.35	mg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	30.8	—	—	30	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	80.9	—	—	30	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	40.1	—	—	30	µg/L	Y	J	J	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	52	—	—	30	µg/L	Y	J	J	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	47.7	—	—	30	µg/L	Y	J	J	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	44.2	—	—	30	µg/L	Y	J	J	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	52.5	—	—	30	µg/L	Y	J	J	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	92.5	—	—	30	µg/L	Y	J	J	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.23	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.24	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.91	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.82	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.8	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.76	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.73	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.1	—	—	0.11	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	3.51	—	—	0.11	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	3.39	—	—	0.085	mg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	3.45	—	—	0.085	mg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	2.04	—	—	2	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.82	—	—	2	µg/L	Y	J	J	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.73	—	—	2	µg/L	Y	J	J	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	4.67	—	—	2	µg/L	Y	J	J	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	6.38	—	—	2	µg/L	Y	J	J	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.12	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.27	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.944	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.991	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.07	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.99	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.165	µg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.29	—	—	0.1	µg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.1	µg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.069	—	—	0.05	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.104	—	—	0.05	µg/L	Y	J	J	N3B-2019-69	CAWR-19-161960	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0915	—	—	0.05	µg/L	Y	J	J	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0973	—	—	0.05	µg/L	Y	J	J	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.152	—	—	0.05	µg/L	Y	J	J	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.135	—	—	0.05	µg/L	Y	J	J	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.06	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.05	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.06	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.11	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.15	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.17	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.16	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.15	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.32	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	74.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	76	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.9	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.6	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.5	—	—	0.053	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/19/2006	WP	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.8	—	—	0.032	mg/L	Y	—	NQ	172455	GU060900PGRA01	GELC
Ancho at Rio Grande	—	09/27/2005	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.4	—	—	0.032	mg/L	Y	—	NQ	146888	GU05090PGRA90	GELC
Ancho at Rio Grande	—	09/27/2005	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.1	—	—	0.032	mg/L	Y	—	NQ	146888	GU05090PGRA01	GELC
Ancho at Rio Grande	—	09/28/1994	WS	UF	INIT	REG	Legacy	Legacy	Silicon Dioxide	SiO2	Y	76	—	—	—	mg/L	N	—	—	X	9409WSSGRA	NA
Ancho at Rio Grande	—	10/13/1993	WS	UF	INIT	REG	Legacy	Legacy	Silicon Dioxide	SiO2	Y	73	—	—	—	mg/L	N	—	—	X	WS931013931	NA
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	11	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.9	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	10.8	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	139	—	—	1	µS/cm	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	µS/cm	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	—	—	1	µS/cm	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	150	—	—	1	µS/cm	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	3.63	µS/cm	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	145	—	—	1	µS/cm	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	57.1	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	57.9	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	76.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	79.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	70.5	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	68.1	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	69.2	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	70.3	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	76.1	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	65.5	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	69.4	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	64	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	1.85	—	—	0.133	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.2	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.3	—	—	0.133	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.25	—	—	0.133	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.25	—	—	0.133	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.29	—	—	0.133	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	126	—	—	3.4	mg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.201	—	—	0.033	mg/L	Y	—	J+	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0869	—	—	0.033	mg/L	Y	J	J	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	U	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0552	—	—	0.033	mg/L	Y	J	J	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.103	—	—	0.033	mg/L	Y	—	U	2015-22	CAWR-14-86932	GELC
Ancho at Rio Grande	—	09/25/2012	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0892	—	—	0.035	mg/L	Y	J	J	12-1570	CAWR-12-23426	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.87	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.843	—	—	0.33	mg/L	Y	J	J	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.941	—	—	0.33	mg/L	Y	J	J	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	1.05	—	—	0.33	mg/L	Y	—	NQ	2015-22	CAWR-14-86932	GELC
Ancho at Rio Grande	—	09/25/2012	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.08	—	—	0.33	mg/L	Y	—	NQ	12-1570	CAWR-12-23426	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.164	—	—	0.067	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.178	—	—	0.067	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.245	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.227	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.111	—	—	0.067	µg/L	Y	J	J	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.102	—	—	0.067	µg/L	Y	J	J	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.118	—	—	0.067	µg/L	Y	J	J	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.119	—	—	0.067	µg/L	Y	J	J	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.173	—	—	0.067	µg/L	Y	J	J	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.203	—	—	0.067	µg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.2	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.194	—	—	0.05	µg/L	Y	J	J	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	5.17	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	5.34	—	—	1	µg/L	Y	—	NQ	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.79	—	—	1	µg/L	Y	J	J	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.87	—	—	1	µg/L	Y	J	J	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.99	—	—	1	µg/L	Y	J	J	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	3.85	—	—	1	µg/L	Y	J	J	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.07	—	—	1	µg/L	Y	J	J	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.85	—	—	1	µg/L	Y	J	J	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	7.21	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	7.08	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	7.17	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12577	GELC
Ancho at Rio Grande	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	7.21	—	—	3.3	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234432	GELC
Ancho at Rio Grande	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	5.15	—	—	3.3	µg/L	Y	J	J	N3B-2022-42	CAWR-22-234431	GELC
Ancho at Rio Grande	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.59	—	—	3.3	µg/L	Y	J	J	N3B-2019-69	CAWR-19-161961	GELC
Ancho at Rio Grande	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2019-69	CAWR-19-161960	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.3	—	—	3.3	µg/L	Y	J	J	2017-141	CAWR-16-126341	GELC
Ancho at Rio Grande	—	10/12/2016	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-141	CAWR-16-126286	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-141	CAWR-16-126283	GELC
Ancho at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-141	CAWR-16-126315	GELC
Ancho at Rio Grande	—	09/30/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2015-22	CAWR-14-86959	GELC
Ancho at Rio Grande	—	09/25/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	Y	4.01	—	—	3.3	µg/L	Y	J	J	12-1570	CAWR-12-23454	GELC
Ancho at Rio Grande	—	09/28/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4822	CAWR-10-25406	GELC
Ancho at Rio Grande	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-55	CAWR-09-12577	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	Y	5.58	—	—	1.74	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	VOC	SW-846:8260D	Acetone	67-64-1	Y	4.91	—	—	1.74	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	1.89	—	—	1.5	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2898	CAWA-19-183874	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	46.8	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.3	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.5	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	388	—	—	68	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	605	—	—	68	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	777	—	—	68	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	740	—	—	68	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	80.9	—	—	68	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	108	—	—	68	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	955	—	—	68	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	1150	—	—	68	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00473	0.00473	0.0479	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0106	0.00764	0.0375	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00701	0.00842	0.0395	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00439	0.00538	0.0411	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00635	0.00635	0.0602	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00265	0.0121	0.0754	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0447	—	—	0.017	mg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0404	—	—	0.017	mg/L	Y	J	J-	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.105	—	—	0.017	mg/L	Y	—	U	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.118	—	—	0.017	mg/L	Y	—	U	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.137	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	47.1	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	46.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	48	—	—	1	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	47	—	—	1	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	79.3	—	—	1	µg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	77.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	86.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	81.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	61.1	—	—	1	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	64.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	N	J-	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15	—	—	0.05	mg/L	Y	N	J-	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	18.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	17.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	13.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	14.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.93	1.64	4.61	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.465	1.3	4.67	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.198	1.34	5.01	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.67	1.49	4.23	—	pCi/L	Y	UI	R	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.39	1.43	5.82	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.521	1.3	4.53	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	13.7	—	—	0.134	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	13.4	—	—	0.134	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	12.5	—	—	0.134	mg/L	Y	—	J+	N3B-2020-1275	CAWA-20-199056	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	16.8	—	—	0.134	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	22.2	—	—	0.335	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.42	1.35	4.68	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.588	0.991	4.48	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.389	1.03	4.73	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.554	1.41	5.01	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.654	1.33	5.63	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.93	1.2	5.24	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	SVOC	SW-846:8270E	Dioxane[1,4-]	123-91-1	N	3	—	—	3	µg/L	N	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	Y	0.139	—	—	0.1	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	VOC	SW-846:8260D	Dioxane[1,4-]	123-91-1	N	16.7	—	—	16.7	µg/L	Y	U	U	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.16	—	—	3.16	µg/L	Y	U	U	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	—	0.1	µg/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3	—	—	3	µg/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	5.21	—	—	1.56	µg/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.134	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.112	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.13	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.273	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0901	—	—	0.033	mg/L	Y	J	J	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.752	0.588	2.85	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.521	0.663	2.68	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.239	0.511	2.21	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.159	0.737	2.97	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.446	0.566	2.93	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.241	0.636	2.7	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	N	1.75	0.826	2.67	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.17	0.88	2.44	—	pCi/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.19	0.574	2.03	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.87	0.945	2.74	—	pCi/L	Y	—	NQ	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	4.5	0.992	2.9	—	pCi/L	Y	—	NQ	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.04	1.01	2.95	—	pCi/L	Y	—	NQ	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	57.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	66.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	51.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	53.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	214	—	—	30	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	332	—	—	30	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	429	—	—	30	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	394	—	—	30	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	44.2	—	—	30	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	76.1	—	—	30	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	78.7	—	—	30	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	35.5	—	—	30	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	479	—	—	30	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	591	—	—	30	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.27	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.98	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.83	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.34	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.18	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.17	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.31	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	3.48	—	—	2	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.9	—	—	2	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.98	—	—	2	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	12.8	—	—	2	µg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.28	—	—	2	µg/L	Y	J	J	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.895	—	—	0.2	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.849	—	—	0.2	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.813	—	—	0.2	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.841	—	—	0.2	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	N	1.07	—	—	0.2	µg/L	Y	—	U	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	N	1.08	—	—	0.2	µg/L	Y	—	U	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.887	—	—	0.2	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.934	—	—	0.2	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.63	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.619	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.29	2.79	10.2	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0755	2.11	7.9	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.28	2.68	10.1	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.93	2.76	9.61	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.346	2.86	10.3	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.02	2.48	9.39	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.1	—	—	0.05	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.105	—	—	0.05	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	N	0.05	—	—	0.05	µg/L	Y	U	U	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	N	0.05	—	—	0.05	µg/L	Y	U	U	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.422	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0073	0.0497	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00937	0.00741	0.0433	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00418	0.00592	0.0363	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00588	0.046	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00832	0.0399	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00678	0.0075	0.0375	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00893	0.0837	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00703	0.00907	0.0434	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00209	0.00694	0.0293	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00959	0.00831	0.0436	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0072	0.00635	0.0531	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00226	0.00749	0.05	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.63	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.61	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.97	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.78	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	4.05	—	—	0.05	mg/L	Y	—	J+	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.92	—	—	0.05	mg/L	Y	—	J+	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.36	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.36	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36	28.5	50.1	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	12.9	17.7	51.2	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-19.9	23.3	85.7	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.69	19.3	69.9	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-5.85	16.7	65.6	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.04	13.2	44.3	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.701	0.255	0.672	—	pCi/L	Y	—	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.13	0.0779	0.249	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.929	0.298	—	—	pCi/L	Y	—	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	Y	0.13	0.154	—	—	pCi/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.229	0.155	0.507	—	pCi/L	Y	U	UJ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.0201	0.133	0.497	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	39.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	39	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	41	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	41	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	45.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	47.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	40.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	16.2	—	—	0.1	mg/L	Y	N	J-	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	15.4	—	—	0.1	mg/L	Y	N	J-	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-4.53	1.9	4.12	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.172	1.21	4.31	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.79	1.54	5.15	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.606	1.61	5.23	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.1	1.65	5.71	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.84	1.31	3.83	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	153	—	—	1	µS/cm	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	161	—	—	1	µS/cm	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	187	—	—	1	µS/cm	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	189	—	—	1	µS/cm	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	69.4	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	68.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	71.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	71.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	122	—	—	1	µg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	116	—	—	1	µg/L	Y	—	NQ	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	116	—	—	1	µg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	113	—	—	1	µg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	89.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	91.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.53	0.158	0.47	—	pCi/L	Y	—	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.293	0.0996	0.319	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.257	0.112	0.484	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0491	0.133	0.481	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.236	0.148	0.489	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0454	0.123	0.442	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.18	—	—	0.133	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	2.7	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	3.18	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	6.36	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	9.24	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	103	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199056	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	91.4	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.39	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.72	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.92	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	3.48	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	6.15	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-1169	CAWA-19-167494	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.00859	0.00997	0.0456	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0141	0.0256	0.161	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.137	0.0274	0.185	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0168	0.00968	0.11	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0565	0.0145	0.12	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0335	0.0139	0.114	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00843	0.0296	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00644	0.0183	0.127	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0419	0.0222	0.104	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0276	0.0109	0.0756	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0299	0.011	0.0794	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00779	0.076	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.00241	0.00799	0.0386	—	pCi/L	Y	U	U	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0156	0.021	0.151	—	pCi/L	Y	U	U	N3B-2020-1275	CAWA-20-199055	GELC
Between E252 and Water at Beta	—	02/08/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0476	0.0188	0.0943	—	pCi/L	Y	U	U	2018-1667	CAWA-18-4	GELC
Between E252 and Water at Beta	—	03/29/2016	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0503	0.0125	0.0719	—	pCi/L	Y	U	U	2016-965	CAWA-16-110732	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0726	0.015	0.0749	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100801	GELC
Between E252 and Water at Beta	—	07/24/2015	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0386	0.0106	0.0717	—	pCi/L	Y	U	U	2015-1876	CAWA-15-100828	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	2.63	—	—	1	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242201	GELC
Between E252 and Water at Beta	—	03/11/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	2.71	—	—	1	µg/L	Y	J	J	N3B-2022-1098	CAWA-22-242202	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.07	—	—	1	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-219608	GELC
Between E252 and Water at Beta	—	03/29/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.98	—	—	1	µg/L	Y	J	J	N3B-2021-1159	CAWA-21-218381	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.3	—	—	1	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205273	GELC
Between E252 and Water at Beta	—	07/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.88	—	—	1	µg/L	Y	J	J	N3B-2020-1273	CAWA-20-205274	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.95	—	—	1	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183874	GELC
Between E252 and Water at Beta	—	08/08/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.83	—	—	1	µg/L	Y	J	J	N3B-2019-2898	CAWA-19-183876	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.04	—	—	1	µg/L	Y	J	J	N3B-2019-1169	CAWA-19-167493	GELC
Between E252 and Water at Beta	—	03/19/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3	—	—	1	µg/L	Y	J	J	N3B-2019-1169	CAWA-19-167494	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.17	—	—	0.01	SU	Y	H	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.56	—	—	0.01	SU	Y	H	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.6	—	—	0.01	SU	Y	H	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.47	—	—	0.01	SU	Y	H	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.78	—	—	0.01	SU	Y	H	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	39	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	32.8	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.7	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	30.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	41.6	—	—	1.45	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	1970	—	—	68	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	2640	—	—	68	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	330	—	—	68	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	105	—	—	68	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	659	—	—	68	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	1080	—	—	68	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	9440	—	—	68	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	2870	—	—	68	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	1050	—	—	68	µg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	1540	—	—	68	µg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00684	0.00823	0.0463	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00486	0.00595	0.0411	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000000000477	0.00573	0.044	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00225	0.00391	0.0394	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000654	0.003	0.039	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.74	—	—	2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.77	—	—	2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.71	—	—	2	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.47	—	—	2	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.69	—	—	2	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.64	—	—	2	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.08	—	—	2	µg/L	Y	J	J	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.78	—	—	2	µg/L	Y	J	J	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.29	—	—	2	µg/L	Y	J	J	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.38	—	—	2	µg/L	Y	J	J	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	68.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	72.7	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	60.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	60.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	47	—	—	1	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	48.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	87.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	56.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	38.5	—	—	1	µg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	41	—	—	1	µg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	15.7	—	—	15	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	15	—	—	15	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.3	—	—	0.05	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.346	1.21	4.32	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0473	0.9	3.32	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.23	1.45	5.4	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.46	1.21	4.87	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.33	1.2	3.7	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	37.7	—	—	0.335	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	40	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	11.3	—	—	0.134	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	34	—	—	0.335	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	13.8	—	—	0.134	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.5	1.2	3.75	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.599	0.978	3.63	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.25	1.39	6.05	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.9	1.23	5.01	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.66	1.2	4.5	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	SVOC	SW-846:8270E	Dioxane[1,4-]	123-91-1	N	2.95	—	—	2.95	µg/L	N	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	Y	0.111	—	—	0.1	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3	—	—	3	µg/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	10.4	—	—	3.13	µg/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10	—	—	3	µg/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	RE	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10	—	—	2	µg/L	N	U	UJ	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10	—	—	2	µg/L	Y	U	UJ	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.108	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.0714	—	—	0.033	mg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.152	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.127	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.112	—	—	0.033	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:900.0	Gross alpha	GROSSA	N	-0.196	0.391	2.22	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.308	0.735	2.98	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.607	0.318	1.03	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.1	0.756	2.47	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.25	0.77	2.4	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:900.0	Gross beta	GROSSB	Y	3.09	0.787	2.12	—	pCi/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.22	0.821	2.48	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.05	0.396	1.15	—	pCi/L	Y	—	NQ	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.92	0.948	2.5	—	pCi/L	Y	—	NQ	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.18	1.3	2.6	—	pCi/L	Y	—	NQ	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	56.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	57.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	61.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	61	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	40.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	43.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	38.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.3	—	—	0.453	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.5	—	—	0.453	mg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	LCMS/MS HIGH	SW-846:8330B	HMX	2691-41-0	Y	0.215	—	—	0.0773	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	LCMS/MS HIGH	SW-846:8330B	HMX	2691-41-0	N	0.0889	—	—	0.0889	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	LCMS/MS HIGH	SW-846:8330B	HMX	2691-41-0	Y	0.151	—	—	0.0904	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	LCMS/MS HIGH	SW-846:8330B	HMX	2691-41-0	Y	0.349	—	—	0.0851	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	LCMS/MS HIGH	SW-846:8330B	HMX	2691-41-0	Y	0.116	—	—	0.087	µg/L	Y	J	J	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	1010	—	—	30	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	1320	—	—	30	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	200	—	—	30	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	64.4	—	—	30	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	359	—	—	30	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	592	—	—	30	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	5450	—	—	30	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	1510	—	—	30	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	494	—	—	30	µg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	760	—	—	30	µg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.529	—	—	0.5	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.785	—	—	0.5	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	3.82	—	—	0.5	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	1	—	—	0.5	µg/L	Y	J	J	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.55	—	—	0.5	µg/L	Y	J	J	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.34	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.39	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.06	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.28	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.98	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.26	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.28	—	—	0.11	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.3	—	—	0.11	mg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	5.28	—	—	2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	10.3	—	—	2	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.84	—	—	2	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.79	—	—	2	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.14	—	—	2	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	65.2	—	—	2	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	16.4	—	—	2	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.2	—	—	2	µg/L	Y	J	J	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	4.17	—	—	2	µg/L	Y	J	J	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.637	—	—	0.2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.569	—	—	0.2	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.541	—	—	0.2	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.479	—	—	0.2	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.752	—	—	0.2	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.715	—	—	0.2	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.625	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.496	—	—	0.2	µg/L	Y	J	J	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.741	—	—	0.2	µg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.704	—	—	0.2	µg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.07	2.11	7.29	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.926	1.81	6.5	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.3	3.2	10.9	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.7	2.38	8.31	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.72	2.4	8	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.08	—	—	0.6	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.49	—	—	0.6	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.28	—	—	0.6	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.02	—	—	0.6	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.94	—	—	0.6	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	2.13	—	—	0.6	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	4.39	—	—	0.6	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	2.28	—	—	0.6	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.78	—	—	0.6	µg/L	Y	J	J	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	2.13	—	—	0.6	µg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.257	—	—	0.05	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.202	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.103	—	—	0.05	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.446	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.173	—	—	0.05	µg/L	Y	J	J	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2.82	—	—	0.725	ng/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2	—	—	0.725	ng/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	0.993	—	—	0.725	ng/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.725	—	—	0.725	ng/L	Y	U	U	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00845	0.047	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00798	0.00798	0.0347	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00305	0.00528	0.036	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0047	0.0366	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0158	0.006	0.026	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0276	0.0109	0.0792	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00000000166	0.00691	0.0279	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00305	0.00806	0.0539	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0047	0.0047	0.0357	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00451	0.0064	0.044	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.94	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.88	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.9	—	—	0.05	mg/L	Y	—	J+	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.92	—	—	0.05	mg/L	Y	—	J+	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	4.47	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.58	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.29	—	—	0.05	mg/L	Y	—	J+	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	J+	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.2	19.1	71.2	—	pCi/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	2.89	13.7	34.9	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.5	23.6	64.3	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-31.4	15.9	54.4	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	38.5	17	67	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.681	0.256	0.702	—	pCi/L	Y	U	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.815	0.282	—	—	pCi/L	Y	—	UJ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.133	0.117	0.4	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	33.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	35.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	30.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	29.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	33.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	33.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	30	—	—	0.053	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	12/08/2006	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.6	—	—	0.032	mg/L	Y	—	J-	177508	GU06110PPBF101	GELC
Paj bel S-N Anch E Basin conf	—	08/24/2006	WP	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.5	—	—	0.032	mg/L	Y	—	NQ	170287	GU06080PPBFB01	GELC
Paj bel S-N Anch E Basin conf	—	08/24/2006	WP	UF	INIT	FD	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	39.7	—	—	0.032	mg/L	Y	—	NQ	170287	GU06080PPBFB90	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	28.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	27.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	19.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	19.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	18.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	18.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.117	1.13	4.55	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.859	0.9	3.85	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.31	1.41	5.69	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.741	1.17	4.18	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.559	1	3.6	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	248	—	—	1	µS/cm	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	252	—	—	1	µS/cm	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	126	—	—	1	µS/cm	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	206	—	—	1	µS/cm	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	149	—	—	1	µS/cm	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	107	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	108	—	—	1	µg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	109	—	—	1	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	109	—	—	1	µg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	77.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	76.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	78.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	72.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	67.9	—	—	1	µg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	72.5	—	—	1	µg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.793	0.153	0.384	—	pCi/L	Y	—	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.134	0.144	0.49	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.314	0.148	0.473	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.243	0.149	0.492	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.118	0.14	0.49	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	13.1	—	—	0.133	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	7.75	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.34	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	10.7	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	6.58	—	—	0.133	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	171	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	J+	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	199	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	124	—	—	3.4	mg/L	Y	—	NQ	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.09	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	1.89	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.87	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	13.9	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.36	—	—	0.33	mg/L	Y	—	NQ	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	3.813	—	—	—	ng/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	2	—	—	—	ng/L	Y	—	NQ	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.084	—	—	0.067	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.287	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	N	0.067	—	—	0.067	µg/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	-0.00828	0.0145	0.0647	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0452	0.0183	0.173	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.13	0.0187	0.0449	—	pCi/L	Y	—	NQ	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.13	0.0212	0.0677	—	pCi/L	Y	—	J	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.149	0.02	0.03	—	pCi/L	Y	—	NQ	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00423	0.00946	0.042	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0296	0.0135	0.0968	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00782	0.0321	—	pCi/L	Y	U	U	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00683	0.00683	0.0415	—	pCi/L	Y	U	U	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0155	0.006	0.023	—	pCi/L	Y	U	U	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0205	0.0109	0.0547	—	pCi/L	Y	U	U	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.049	0.0155	0.0877	—	pCi/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	04/08/2014	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.112	0.0164	0.0373	—	pCi/L	Y	—	NQ	2014-3165	CAPA-14-56385	GELC
Paj bel S-N Anch E Basin conf	—	04/12/2013	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.102	0.0177	0.038	—	pCi/L	Y	—	J	2013-724	CAPA-13-29664	GELC
Paj bel S-N Anch E Basin conf	—	10/08/2010	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.111	0.016	0.018	—	pCi/L	Y	—	NQ	11-94	CAPA-10-26874	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	4.17	—	—	1	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	4.24	—	—	1	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.25	—	—	1	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.04	—	—	1	µg/L	Y	J	J	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.4	—	—	1	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.52	—	—	1	µg/L	Y	J	J	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	10.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.75	—	—	1	µg/L	Y	J	J	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	1.85	—	—	1	µg/L	Y	J	J	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.88	—	—	1	µg/L	Y	J	J	2018-1719	CAPA-18-14	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	6.33	—	—	3.3	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243495	GELC
Paj bel S-N Anch E Basin conf	—	03/08/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	6.66	—	—	3.3	µg/L	Y	J	J	N3B-2022-1071	CAPA-22-243496	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218367	GELC
Paj bel S-N Anch E Basin conf	—	03/16/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2021-1070	CAPA-21-218366	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	7.72	—	—	3.3	µg/L	Y	J	U	N3B-2019-3012	CAPA-19-183880	GELC
Paj bel S-N Anch E Basin conf	—	08/14/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	8.93	—	—	3.3	µg/L	Y	J	U	N3B-2019-3012	CAPA-19-183879	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	23.3	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-1065	CAPA-19-167670	GELC
Paj bel S-N Anch E Basin conf	—	03/12/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	7.93	—	—	3.3	µg/L	Y	J	J	N3B-2019-1065	CAPA-19-167669	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-1719	CAPA-18-13	GELC
Paj bel S-N Anch E Basin conf	—	02/13/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	2018-1719	CAPA-18-14	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.38	—	—	0.01	SU	Y	H	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.25	—	—	0.01	SU	Y	H	J	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	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-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.34	—	—	0.01	SU	Y	H	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	2.41	—	—	1.45	mg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	—	1.45	mg/L	Y	U	U	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93	—	—	1.45	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.8	—	—	2	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.63	—	—	2	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	5.16	—	—	2	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.27	—	—	2	µg/L	Y	J	J	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.76	—	—	2	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.8	—	—	2	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.55	—	—	2	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.65	—	—	2	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	5.16	—	—	2	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	4.64	—	—	2	µg/L	Y	J	J	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.6	—	—	1.7	µg/L	Y	J	J	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.63	—	—	1.7	µg/L	Y	J	J	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	37.3	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	37.8	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	39.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	39.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	36.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	37.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	37.4	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	37.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	41.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	41.1	—	—	1	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	38.6	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	37.8	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	25.6	—	—	15	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	29.8	—	—	15	µg/L	Y	J	J	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	30	—	—	15	µg/L	Y	J	J	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	23.5	—	—	15	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	23.8	—	—	15	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	24.3	—	—	15	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	23.9	—	—	15	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	26.7	—	—	15	µg/L	Y	J	U	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	32.3	—	—	15	µg/L	Y	J	U	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	24.1	—	—	15	µg/L	Y	J	J	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	23.5	—	—	15	µg/L	Y	J	J	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	20	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	20.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.8	—	—	0.05	mg/L	Y	E	J	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.9	—	—	0.05	mg/L	Y	E	J	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.6	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.4	—	—	0.067	mg/L	Y	—	J+	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.5	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.34	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.36	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.32	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.38	—	—	0.067	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.83	—	—	3	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.78	—	—	3	µg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.18	—	—	3	µg/L	Y	J	J	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.76	—	—	3	µg/L	Y	J	J	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.83	—	—	3	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.84	—	—	3	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.86	—	—	3	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.85	—	—	3	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.6	—	—	3	µg/L	Y	J	J	N3B-2019-76	CAWR-19-161967	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.26	—	—	3	µg/L	Y	J	J	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	3.93	—	—	3	µg/L	Y	J	J	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	3.79	—	—	3	µg/L	Y	J	J	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.561	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.472	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.472	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.448	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.354	—	—	0.033	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	68	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	69.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	72.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	72.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	65.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	67	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	73.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	77.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	69.8	—	—	0.453	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	68.4	—	—	0.453	mg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.37	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	4.47	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.97	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.02	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.16	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.3	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.25	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.33	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.05	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.31	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.36	—	—	0.11	mg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.17	—	—	0.2	µg/L	Y	—	J+	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.1	—	—	0.2	µg/L	Y	—	J+	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.03	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.02	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.967	—	—	0.3	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.673	—	—	0.017	mg/L	Y	—	J-	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.682	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.731	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.73	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.772	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.74	—	—	0.017	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.522	—	—	0.05	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.537	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.506	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.517	—	—	0.05	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.498	—	—	0.05	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.531	—	—	0.05	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.49	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.47	—	—	0.05	mg/L	Y	—	J+	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.56	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.48	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.54	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.61	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.59	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.53	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.62	—	—	0.05	mg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	65.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	66.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	68.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	66.5	—	—	0.053	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	09/26/2005	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.5	—	—	0.032	mg/L	Y	—	NQ	146888	GU05090PGRP01	GELC
Pajarito at Rio Grande	—	09/30/1994	WS	UF	INIT	REG	Legacy	Legacy	Silicon Dioxide	SiO2	Y	68	—	—	—	mg/L	N	—	—	X	9409WSSGRP	NA
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	J+	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.4	—	—	0.1	mg/L	Y	—	J+	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	12.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	212	—	—	1	µS/cm	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	1	µS/cm	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	1	µS/cm	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	µS/cm	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	µS/cm	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	212	—	—	1	µS/cm	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	115	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	117	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	130	—	—	1	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	130	—	—	1	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	113	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	115	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	117	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	117	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	118	—	—	1	µg/L	Y	—	J+	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	122	—	—	1	µg/L	Y	—	J+	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	126	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	125	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	6.07	—	—	0.133	mg/L	Y	—	J+	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.78	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.77	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.81	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.84	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.96	—	—	0.133	mg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	3.4	mg/L	Y	—	J	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	3.4	mg/L	Y	—	J+	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	52.9	—	—	3.4	mg/L	Y	H	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	104	—	—	3.4	mg/L	Y	H	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	J	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	0.337	—	—	0.33	mg/L	Y	J	J	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	N	0.33	—	—	0.33	mg/L	Y	U	U	N3B-2019-76	CAWR-19-161967	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	0.398	—	—	0.33	mg/L	Y	J	J	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.01	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.996	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.991	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.01	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.989	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.984	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.996	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.01	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.06	—	—	0.067	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.03	—	—	0.067	µg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	9.42	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234622	GELC
Pajarito at Rio Grande	—	10/04/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	9.68	—	—	1	µg/L	Y	—	NQ	N3B-2022-40	CAWR-22-234621	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	10.2	—	—	1	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208735	GELC
Pajarito at Rio Grande	—	10/05/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	10.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-24	CAWR-21-208734	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.76	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	8.97	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.11	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	—	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	9.4	—	—	1	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	N	9.9	—	—	1	µg/L	Y	—	U	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	—	10/03/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	N	11.1	—	—	1	µg/L	Y	—	U	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.52	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	—	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.38	—	—	1	µg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.56	—	—	0.01	SU	Y	H	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.51	—	—	0.01	SU	Y	H	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.44	—	—	0.01	SU	Y	H	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	H	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.12	—	—	0.01	SU	Y	H	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.63	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	5.23	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.99	—	—	1.45	mg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	4	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	4	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1	—	—	0.725	mg/L	Y	U	U	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	116	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	106	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	123	—	—	1.45	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.725	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	2040	—	—	68	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Aluminum	Al	Y	1590	—	—	68	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	244	—	—	68	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	5650	—	—	68	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	872	—	—	68	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Aluminum	Al	Y	740	—	—	68	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Aluminum	Al	Y	430	—	—	68	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.061	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0721	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0232	—	—	0.017	mg/L	Y	J	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0615	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.164	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.137	—	—	0.017	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.13	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	4.1	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.55	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	4.48	—	—	2	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.24	—	—	2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.83	—	—	2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	7.29	—	—	2	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	8.74	—	—	2	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	4.49	—	—	1.7	µg/L	Y	J	J	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.06	—	—	1.7	µg/L	Y	J	J	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	4.66	—	—	1.7	µg/L	Y	J	J	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	70.8	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Barium	Ba	Y	74.8	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	92.2	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Barium	Ba	Y	89.1	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	59.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	50.8	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	83.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	134	—	—	1	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	102	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	82.3	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	86.4	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	104	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Barium	Ba	Y	117	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	40.7	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Boron	B	Y	40.9	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	42.3	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Boron	B	Y	41.7	—	—	15	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	23	—	—	15	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	15.6	—	—	15	µg/L	Y	J	J	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	38.5	—	—	15	µg/L	Y	J	J	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	36.9	—	—	15	µg/L	Y	J	J	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	30.9	—	—	15	µg/L	Y	J	J	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	31	—	—	15	µg/L	Y	J	J	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Boron	B	Y	35.7	—	—	15	µg/L	Y	J	J	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	39.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Calcium	Ca	Y	40.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	42.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Calcium	Ca	Y	43.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	33.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	31.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	38.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	42.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	41.8	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	38.9	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	39.1	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	43.9	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Calcium	Ca	Y	49.1	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.73	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.67	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.22	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.81	—	—	0.067	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.46	—	—	0.067	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.428	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.44	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.345	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.414	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.321	—	—	0.033	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	132	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	128	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	140	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	141	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	140	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	123	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	126	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	134	—	—	0.453	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	125	—	—	0.453	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/26/2012	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	127	—	—	0.453	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	154	—	—	0.35	mg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	137	—	—	0.35	mg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/30/2009	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	127	—	—	0.35	mg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	—	09/30/2009	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	124	—	—	0.35	mg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	1290	—	—	30	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Iron	Fe	Y	990	—	—	30	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	272	—	—	30	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	3420	—	—	30	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	402	—	—	30	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	294	—	—	30	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Iron	Fe	Y	470	—	—	30	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	1.33	—	—	0.5	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	Y	1.24	—	—	0.5	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.796	—	—	0.5	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	2.64	—	—	0.5	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.86	—	—	0.5	µg/L	Y	J	J	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	1.43	—	—	0.5	µg/L	Y	J	J	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Lead	Pb	Y	1.4	—	—	0.5	µg/L	Y	J	J	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.31	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.59	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	8.17	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Magnesium	Mg	Y	8	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.66	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.51	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.57	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	8.48	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.26	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.88	—	—	0.11	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.61	—	—	0.11	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	6.69	—	—	0.085	mg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Magnesium	Mg	Y	7.63	—	—	0.085	mg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	20.9	—	—	2	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Manganese	Mn	Y	60.5	—	—	2	µg/L	Y	—	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	90.3	—	—	2	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Manganese	Mn	Y	86.4	—	—	2	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	47	—	—	2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.92	—	—	2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.3	—	—	2	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	125	—	—	2	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	61.5	—	—	2	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.6	—	—	2	µg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	13.9	—	—	2	µg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	112	—	—	2	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Manganese	Mn	Y	126	—	—	2	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.18	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.9	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	7.18	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	7.04	—	—	0.2	µg/L	Y	—	J+	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	4.91	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	5.09	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.78	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.8	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	6.71	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	7.53	—	—	0.3	µg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.82	—	—	0.165	µg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.01	—	—	0.1	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	4.9	—	—	0.1	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.602	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.644	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.87	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.7	—	—	0.6	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.07	—	—	0.6	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.612	—	—	0.6	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.708	—	—	0.6	µg/L	Y	J	J	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	4.38	—	—	0.6	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.34	—	—	0.5	µg/L	Y	J	J	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.551	—	—	0.5	µg/L	Y	J	J	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.79	—	—	0.5	µg/L	Y	J	J	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	1.78	—	—	0.5	µg/L	Y	J	J	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0432	—	—	0.017	mg/L	Y	J	J-	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0412	—	—	0.017	mg/L	Y	J	J-	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0989	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.111	—	—	0.017	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0879	—	—	0.017	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.077	—	—	0.05	µg/L	Y	HJ	J-	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.078	—	—	0.05	µg/L	Y	HJ	J-	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0527	—	—	0.05	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0596	—	—	0.05	µg/L	Y	J	J	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0742	—	—	0.05	µg/L	Y	J	J	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.062	—	—	0.05	µg/L	Y	J	J	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.88	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Potassium	K	Y	2.95	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.31	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Potassium	K	Y	3.27	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.23	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.47	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.68	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.85	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.64	—	—	0.05	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.61	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Potassium	K	Y	2.99	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.62	—	—	0.05	mg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	21.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	22.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	33	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	30.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	19.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	18.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	17.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	19.5	—	—	0.053	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.7	—	—	0.053	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/28/2005	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.6	—	—	0.032	mg/L	Y	—	NQ	146888	GU05090PRGF01	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	20	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Sodium	Na	Y	20.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	20.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Sodium	Na	Y	20.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	15.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	22.1	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	21.1	—	—	0.1	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	17.5	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Sodium	Na	Y	20	—	—	0.1	mg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	369	—	—	1	µS/cm	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	362	—	—	1	µS/cm	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	253	—	—	1	µS/cm	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	331	—	—	1	µS/cm	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	352	—	—	1	µS/cm	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	295	—	—	3.63	µS/cm	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	312	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	331	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Strontium	Sr	Y	335	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	237	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	231	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	297	—	—	1	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	315	—	—	1	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	360	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	344	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	314	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Strontium	Sr	Y	372	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	326	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	49.8	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	48.5	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	38.6	—	—	0.665	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	54.1	—	—	0.665	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	47.9	—	—	0.665	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	44.3	—	—	0.665	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Tin	Sn	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Tin	Sn	Y	2.04	—	—	1	µg/L	Y	J	J	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	Y	3.34	—	—	2.5	µg/L	Y	J	J	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Tin	Sn	N	50	—	—	13	µg/L	Y	U	U	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Tin	Sn	N	50	—	—	13	µg/L	Y	U	U	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	229	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	220	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	170	—	—	3.4	mg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	286	—	—	3.4	mg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.446	—	—	0.033	mg/L	Y	—	J+	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.439	—	—	0.033	mg/L	Y	—	J+	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.348	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.209	—	—	0.033	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.475	—	—	0.033	mg/L	Y	—	J	2015-22	CAWR-14-86938	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.28	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.27	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.25	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.45	—	—	0.66	mg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.38	—	—	0.33	mg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.89	—	—	0.33	mg/L	Y	—	NQ	2015-22	CAWR-14-86938	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	2.14	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.17	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.19	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	2.22	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.52	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.37	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.68	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.94	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	2.56	—	—	0.067	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	2.73	—	—	0.067	µg/L	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	2.02	—	—	0.067	µg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	2.14	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	2.15	—	—	0.05	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	FD	Inorganic	SW-846:6010D	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234705	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	5.27	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234624	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	8.01	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234623	GELC
Rio Grande at Frijoles	—	10/05/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010D	Vanadium	V	Y	7.28	—	—	1	µg/L	Y	—	NQ	N3B-2022-43	CAWR-22-234704	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.14	—	—	1	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	—	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.18	—	—	1	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4	—	—	1	µg/L	Y	J	J	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	—	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.36	—	—	1	µg/L	Y	—	NQ	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	—	10/13/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.06	—	—	1	µg/L	Y	J	J	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	—	10/01/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.04	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Vanadium	V	Y	6.77	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	—	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	5.96	—	—	1	µg/L	Y	—	NQ	10-4822	CAWR-10-25413	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.53	—	—	0.01	SU	Y	H	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.72	—	—	0.01	SU	Y	H	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.2	—	—	0.01	SU	Y	H	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.37	—	—	0.01	SU	Y	H	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	8.84	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	7.05	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.59	—	—	1.45	mg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	101	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	118	—	—	1.45	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	95.1	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.2	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	4730	—	—	68	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Aluminum	Al	Y	1580	—	—	68	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	7150	—	—	68	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	815	—	—	68	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	4260	—	—	68	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	2740	—	—	68	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0278	0.0147	0.141	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0212	0.00918	0.048	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0426	0.0674	0.289	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00903	0.0101	0.0539	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00489	0.00773	0.0584	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00451	0.0395	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0158	0.00948	0.0309	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.88	—	—	2	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	5.09	—	—	2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.23	—	—	2	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.87	—	—	2	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.96	—	—	2	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	5.13	—	—	2	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	3.86	—	—	2	µg/L	Y	J	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	3.68	—	—	2	µg/L	Y	J	U	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.83	—	—	2	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	5.24	—	—	2	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.46	—	—	2	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.12	—	—	2	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	57.9	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	114	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	73.5	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Barium	Ba	Y	59.9	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	64.6	—	—	1	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	169	—	—	1	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	80.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	71.2	—	—	1	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	76.2	—	—	1	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	105	—	—	1	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	85.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	61.9	—	—	1	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	36.4	—	—	15	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	42.7	—	—	15	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	41.1	—	—	15	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Boron	B	Y	38.5	—	—	15	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	27.2	—	—	15	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	28.2	—	—	15	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	33.5	—	—	15	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	31.6	—	—	15	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	30.1	—	—	15	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	30	—	—	15	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	28.4	—	—	15	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	27.1	—	—	15	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	43.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	37.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	38.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Calcium	Ca	Y	40.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	45.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	36.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	36.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	40	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	38.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	37.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	34.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	35.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.854	1.2	4.47	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.33	1.27	4.36	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0567	0.814	3.15	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.452	0.949	3.64	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.35	1	3.88	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.844	1.77	5.99	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.02	1.16	4.71	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.78	—	—	0.067	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.35	—	—	0.067	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.88	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.53	—	—	0.067	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	3.68	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.24	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.25	—	—	3	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	6.37	—	—	3	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.58	—	—	3	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	Y	1.76	—	—	1	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	Y	1.73	—	—	1	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1	—	—	1	µg/L	Y	U	U	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.433	1.79	5.38	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.886	1.37	5.73	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.122	0.811	3.5	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.58	1.13	4.26	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.739	1.04	4.19	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.21	1.59	6.88	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.445	1.33	5.56	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.393	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.486	—	—	0.033	mg/L	Y	—	J-	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.245	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.317	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.269	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.375	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	4.24	1.27	2.77	—	pCi/L	Y	—	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.99	1.16	2.84	—	pCi/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	7.24	1.5	2.95	—	pCi/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.74	1.33	2.62	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	6.75	1.43	2.79	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	8.83	1.56	2.98	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	Y	7.33	1.31	2.92	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.45	0.849	2.53	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.57	0.938	2.81	—	pCi/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.25	1.18	2.86	—	pCi/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.36	1.16	2.14	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	12.2	1.28	2.03	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	15.1	0.587	1.32	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	10.1	0.598	1.6	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	123	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	143	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	134	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	124	—	—	0.453	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	125	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	153	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	131	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	118	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	121	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	126	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	117	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	111	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	Y	0.00000552	—	—	0.0000191	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.00000486	—	—	0.0000174	µg/L	Y	U	U	N3B-2021-17	CAWR-21-208738	CFA
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.00000516	—	—	0.0000195	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.00000521	—	—	0.0000174	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162018	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.0000052	—	—	0.0000173	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162020	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.00000533	—	—	0.0000178	µg/L	Y	U	U	2018-205	CAWR-18-147406	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.00000543	—	—	0.0000181	µg/L	Y	U	U	2018-423	CAWR-18-147426	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	Y	0.00000552	—	—	0.0000191	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0	—	—	—	µg/L	Y	U	U	N3B-2021-17	CAWR-21-208738	CFA
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0	—	—	—	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162018	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0	—	—	—	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162020	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0	—	—	—	µg/L	Y	U	U	2018-205	CAWR-18-147406	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0	—	—	—	µg/L	Y	U	U	2018-423	CAWR-18-147426	CFA
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	Y	0.00000584	—	—	0.0000151	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0	—	—	—	µg/L	Y	U	U	N3B-2021-17	CAWR-21-208738	CFA
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0	—	—	—	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162018	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0	—	—	—	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162020	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0	—	—	—	µg/L	Y	U	U	2018-205	CAWR-18-147406	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0	—	—	—	µg/L	Y	U	U	2018-423	CAWR-18-147426	CFA
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	36.5	—	—	30	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	3170	—	—	30	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	Y	972	—	—	30	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	52.6	—	—	30	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	4890	—	—	30	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	545	—	—	30	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	2930	—	—	30	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	1850	—	—	30	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	VOC	SW-846:8260D	Isopropyltoluene[4-]	99-87-6	Y	0.66	—	—	0.333	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-195	CAWR-18-147426	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-195	CAWR-18-147406	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	2.65	—	—	0.5	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	0.949	—	—	0.5	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	4.49	—	—	0.5	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	1.39	—	—	0.5	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	6.94	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	8.55	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.72	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Magnesium	Mg	Y	7.01	—	—	0.11	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.98	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	9.62	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.51	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.68	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.65	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.4	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.74	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.91	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	7.92	—	—	2	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	133	—	—	2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	49.2	—	—	2	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Manganese	Mn	Y	5.61	—	—	2	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	25.9	—	—	2	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	231	—	—	2	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	26.5	—	—	2	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	6.54	—	—	2	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.13	—	—	2	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	85.6	—	—	2	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	75.3	—	—	2	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.9	—	—	2	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.98	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.77	—	—	0.2	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.3	—	—	0.2	µg/L	Y	—	J+	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.4	—	—	0.2	µg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.2	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.07	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	5.47	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	5.45	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	4.22	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	4.36	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	5.75	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	5.52	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.89	2.36	8.5	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.04	2.11	7.51	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.978	1.9	6.97	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.38	2.01	8.07	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.03	1.53	4.99	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.21	2.89	9.87	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.19	2.35	8.27	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.784	—	—	0.6	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	3.43	—	—	0.6	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.78	—	—	0.6	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.67	—	—	0.6	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.773	—	—	0.6	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	6.18	—	—	0.6	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.08	—	—	0.6	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.716	—	—	0.6	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	3.42	—	—	0.6	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	2.28	—	—	0.6	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.743	—	—	0.6	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0539	—	—	0.017	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0407	—	—	0.017	mg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0581	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.017	—	—	0.017	mg/L	Y	U	UJ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.293	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0642	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	Y	0.0000679	—	—	0.000035	µg/L	Y	J	J	N3B-2022-65	CAWR-22-234625	CFA
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000182	—	—	0.0000263	µg/L	Y	BJ	U	N3B-2021-17	CAWR-21-208738	CFA
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	Y	0.0000295	—	—	0.0000344	µg/L	Y	J	J	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000104	—	—	0.0000347	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162018	CFA
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000104	—	—	0.0000347	µg/L	Y	U	U	N3B-2019-104	CAWR-19-162020	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000187	—	—	0.0000356	µg/L	Y	BJ	U	2018-205	CAWR-18-147406	CFA
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	HRGC/HRMS	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000109	—	—	0.0000362	µg/L	Y	U	U	2018-423	CAWR-18-147426	CFA
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.053	—	—	0.05	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.076	—	—	0.05	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0552	—	—	0.05	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.056	—	—	0.05	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.104	—	—	0.05	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0508	—	—	0.05	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	Y	0.206	0.0248	0.0559	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0124	0.0147	0.0538	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0541	0.0312	0.158	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00245	0.0107	0.0425	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00586	0.0101	0.0507	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00828	0.00916	0.0478	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.023	0.0113	0.0394	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	Y	0.119	0.0211	0.0556	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0149	0.0105	0.0729	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.036	0.0459	0.17	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0221	0.0107	0.0468	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00585	0.0101	0.0558	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0138	0.0114	0.062	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.023	0.0139	0.0515	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.43	—	—	0.05	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	3.21	—	—	0.05	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Potassium	K	Y	2.82	—	—	0.05	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.27	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	4.05	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.41	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.28	—	—	0.05	mg/L	Y	—	J+	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.22	—	—	0.05	mg/L	Y	—	J+	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.05	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.49	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.23	17.6	67.4	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.82	17.1	70.8	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18	16.5	47.3	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.3	15.9	58.9	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-3.59	16.1	49.6	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	78.5	23.1	51.7	—	pCi/L	Y	UI	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-26.2	14.9	55.9	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	1.19	0.211	0.265	—	pCi/L	Y	—	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.671	0.183	0.467	—	pCi/L	Y	—	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.31	0.116	0.312	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	01/26/2010	WS	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.033	0.099	0.41	—	pCi/L	Y	U	U	10-1447	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	—	05/14/2009	WS	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.468	0.16	0.42	—	pCi/L	Y	—	U	09-1885	CAWR-09-8350	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	1.32	0.266	—	—	pCi/L	Y	—	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.721	0.259	—	—	pCi/L	Y	—	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.922	0.266	—	—	pCi/L	Y	—	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.132	0.162	0.563	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.0502	0.184	0.656	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.612	0.24	0.748	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	01/26/2010	WS	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.279	0.23	0.8	—	pCi/L	Y	U	U	10-1447	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	—	05/14/2009	WS	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.376	0.21	0.68	—	pCi/L	Y	U	U	09-1885	CAWR-09-8350	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	18.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	42.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	29.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Silicon Dioxide	SiO2	Y	20.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	16.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	55.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	19.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	15.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	18.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	36.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	33.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	19.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	17.4	—	—	0.1	mg/L	Y	—	J+	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	J+	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	21	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Sodium	Na	Y	20.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	17	—	—	0.1	mg/L	Y	N	J-	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	16	—	—	0.1	mg/L	Y	N	J-	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	16.9	—	—	0.1	mg/L	Y	—	J-	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	J-	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	15.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.242	1.11	3.82	—	pCi/L	Y	U	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.247	1.38	5.52	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.84	0.959	3.05	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.59	1.03	3.46	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.546	0.916	3.32	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.72	1.23	4.23	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.35	1.14	3.93	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	336	—	—	1	µS/cm	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	417	—	—	1	µS/cm	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	372	—	—	1	µS/cm	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	337	—	—	1	µS/cm	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	299	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	274	—	—	1	µS/cm	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	286	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	323	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Strontium	Sr	Y	305	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	315	—	—	1	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	356	—	—	1	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	292	—	—	1	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	296	—	—	1	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	298	—	—	1	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	268	—	—	1	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	263	—	—	1	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.24	0.146	0.48	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0107	0.137	0.495	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.226	0.101	0.356	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.417	0.153	0.481	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.225	0.0923	0.334	—	pCi/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0262	0.136	0.49	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.113	0.124	0.477	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	54.2	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	51.2	—	—	0.665	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	62	—	—	1.33	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	53.9	—	—	0.665	mg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	54.1	—	—	0.665	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	40.6	—	—	0.665	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	234	—	—	3.4	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	217	—	—	3.4	mg/L	Y	—	J+	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	216	—	—	3.4	mg/L	Y	—	J+	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	176	—	—	3.4	mg/L	Y	—	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.554	—	—	0.033	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.253	—	—	0.033	mg/L	Y	—	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.689	—	—	0.033	mg/L	Y	—	J+	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.307	—	—	0.033	mg/L	Y	—	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.95	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.1	—	—	0.33	mg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.12	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.66	—	—	0.33	mg/L	Y	—	J+	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.07	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	2.63	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.246	—	—	0.02	mg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.02	—	—	0.02	mg/L	Y	U	U	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0495	—	—	0.02	mg/L	Y	J	U	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0919	—	—	0.02	mg/L	Y	—	U	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.13	—	—	0.02	mg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	9.86	1.802	2.993	—	pCi/L	Y	—	J	N3B-2022-120	CAWR-22-234625	ARSL
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	16.82	2.794	3.252	—	pCi/L	Y	—	NQ	N3B-2021-45	CAWR-21-208738	ARSL
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	15.803	2.622	2.894	—	pCi/L	Y	—	NQ	N3B-2020-89	CAWR-20-186470	ARSL
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	12.52	2.159	2.914	—	pCi/L	Y	—	NQ	N3B-2019-125	CAWR-19-162018	ARSL
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	14.675	2.467	2.97	—	pCi/L	Y	—	NQ	N3B-2019-125	CAWR-19-162020	ARSL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	11.075	1.853	2.172	—	pCi/L	Y	*	NQ	2018-217	CAWR-18-147340	ARSL
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	Generic:Low_Level_Tritiu	Tritium	H-3	Y	13.361	2.19	2.272	—	pCi/L	Y	*	NQ	2018-217	CAWR-18-147390	ARSL
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.64	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.72	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.68	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	2.49	—	—	0.067	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.43	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.85	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.66	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.56	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.2	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.32	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.96	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	1.86	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.17	0.0786	0.0584	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.881	0.0546	0.0757	—	pCi/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.12	0.105	0.196	—	pCi/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.13	0.0496	0.0711	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.07	0.0473	0.0699	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.974	0.0674	0.0858	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.07	0.0715	0.0877	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0367	0.0135	0.0457	—	pCi/L	Y	U	UJ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0479	0.0149	0.0491	—	pCi/L	Y	U	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.0247	0.145	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0802	0.0157	0.0689	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0686	0.0137	0.0677	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0453	0.0186	0.0916	—	pCi/L	Y	U	U	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0492	0.0188	0.0936	—	pCi/L	Y	U	U	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.833	0.0604	0.0566	—	pCi/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.536	0.0423	0.0675	—	pCi/L	Y	—	NQ	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.84	0.092	0.13	—	pCi/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.689	0.039	0.0702	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	—	10/10/2018	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.716	0.039	0.069	—	pCi/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.685	0.0564	0.0831	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	—	10/04/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.78	0.0608	0.0848	—	pCi/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	3.14	—	—	1	µg/L	Y	J	J	N3B-2022-1291	CAWR-22-248708	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	8.96	—	—	1	µg/L	Y	—	NQ	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	6.77	—	—	1	µg/L	Y	—	NQ	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	F	INIT	REG	Inorganic	SW-846:6010D	Vanadium	V	Y	4.44	—	—	1	µg/L	Y	J	J	N3B-2022-64	CAWR-22-234626	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.03	—	—	1	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221791	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	15.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.44	—	—	1	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.99	—	—	1	µg/L	Y	J	J	N3B-2021-13	CAWR-21-208737	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.95	—	—	1	µg/L	Y	J	J	N3B-2020-1702	CAWR-20-206474	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.44	—	—	1	µg/L	Y	—	NQ	N3B-2020-1702	CAWR-20-206475	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.83	—	—	1	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	—	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.04	—	—	1	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	—	04/13/2022	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	Y	18.4	—	—	3.3	µg/L	Y	J	J+	N3B-2022-1291	CAWR-22-248709	GELC
Rio Grande at Otowi Bridge	—	10/12/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010D	Zinc	Zn	N	9.96	—	—	3.3	µg/L	Y	J	U	N3B-2022-64	CAWR-22-234625	GELC
Rio Grande at Otowi Bridge	—	04/14/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	19	—	—	3.3	µg/L	Y	J	J	N3B-2021-1308	CAWR-21-221792	GELC
Rio Grande at Otowi Bridge	—	10/01/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	7.88	—	—	3.3	µg/L	Y	J	U	N3B-2021-13	CAWR-21-208738	GELC
Rio Grande at Otowi Bridge	—	09/03/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	22	—	—	3.3	µg/L	Y	—	J+	N3B-2020-1702	CAWR-20-206475	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	0.01	SU	Y	H	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	NQ	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	140	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	139	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	143	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	110	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	1.45	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	70	—	—	68	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	Y	77.1	—	—	68	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Aluminum	Al	Y	26	—	—	19.3	µg/L	Y	J	J	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Aluminum	Al	Y	22.8	—	—	19.3	µg/L	Y	J	J	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00384	0.0127	0.0681	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00000000443	0.0152	0.0674	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0219	0.0129	0.0553	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00267	0.00707	0.0388	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00379	0.01	0.0758	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0797	0.0477	0.259	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.116	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.117	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.123	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.135	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0845	—	—	0.017	mg/L	Y	—	U	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.185	—	—	0.017	mg/L	Y	—	J+	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.39	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	3.66	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.67	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	3.91	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.53	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.41	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.5	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.47	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.6	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.48	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.19	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.54	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.28	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.76	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	28.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	28.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	25.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	23	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Barium	Ba	Y	23.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Barium	Ba	Y	23.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	35.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	17.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	17.4	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	19.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	18.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	25	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	76.5	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	76	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	77.6	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	78.2	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	66.8	—	—	15	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	66	—	—	15	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	68.3	—	—	15	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	66.2	—	—	15	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Boron	B	Y	64	—	—	15	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Boron	B	Y	65.1	—	—	15	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	52	—	—	15	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	54.4	—	—	15	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	63.5	—	—	15	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	64.9	—	—	15	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	66.2	—	—	15	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	63.7	—	—	15	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	99.5	—	—	15	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	3.71	—	—	0.67	mg/L	Y	—	J-	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	3.82	—	—	0.67	mg/L	Y	—	J-	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.8	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.45	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.36	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	2	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Calcium	Ca	Y	14.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Calcium	Ca	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	18.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.109	1.12	4.13	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.27	0.895	4.06	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.4	1.16	5.27	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.182	0.926	3.57	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.478	0.793	2.76	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.59	1.13	4.71	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	44.4	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	45.2	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	40.8	—	—	0.67	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	52.7	—	—	0.67	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	204	—	—	2.68	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	42.2	—	—	0.67	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.44	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.23	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.76	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	4.74	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.91	—	—	3	µg/L	Y	J	J	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.613	1.14	4.3	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.583	1.05	4.35	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.48	1.25	5.21	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.913	1.01	4.18	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.41	0.968	3.4	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.507	0.886	3.43	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00275	—	—	0.00167	mg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00271	—	—	0.00167	mg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.0017	—	—	0.00167	mg/L	Y	J	J	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00336	—	—	0.00167	mg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00245	—	—	0.00167	mg/L	Y	J	J	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.39	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.402	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.35	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.424	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.92	0.968	2.78	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.312	0.494	2.87	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.256	0.633	2.77	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.974	0.833	2.92	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.253	0.739	2.9	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.274	0.722	2.87	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.62	1.13	2.85	—	pCi/L	Y	—	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	6.74	0.962	2.67	—	pCi/L	Y	—	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	11.7	1.35	2.8	—	pCi/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12	1.03	2.33	—	pCi/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.96	0.855	2.17	—	pCi/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.9	0.495	1.22	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	68.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	68.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	77.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	79.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	80.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	79	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	51.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	53	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	65	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	64.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	58.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	66.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	543	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	536	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	792	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	790	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	301	—	—	30	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	307	—	—	30	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	204	—	—	30	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	219	—	—	30	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Iron	Fe	Y	299	—	—	30	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Iron	Fe	Y	314	—	—	30	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	313	—	—	30	µg/L	Y	—	J	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	152	—	—	30	µg/L	Y	—	J	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	162	—	—	30	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	157	—	—	30	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	249	—	—	30	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	244	—	—	30	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	286	—	—	30	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.82	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.86	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.94	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.92	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.31	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.17	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.37	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.26	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Magnesium	Mg	Y	3.83	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Magnesium	Mg	Y	3.96	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.04	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.99	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.51	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.51	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.52	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.27	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	63.4	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	62	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	88.3	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	91.8	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	16.8	—	—	2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	17	—	—	2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.6	—	—	2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.1	—	—	2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Manganese	Mn	Y	9.92	—	—	2	µg/L	Y	J	J	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Manganese	Mn	Y	10.2	—	—	2	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	59.1	—	—	2	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.8	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.7	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.97	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	12.7	—	—	2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	10.2	—	—	2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	22.5	—	—	2	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.41	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.44	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.69	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.79	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.63	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.6	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.8	—	—	0.2	µg/L	Y	—	J+	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	8.18	—	—	0.2	µg/L	Y	—	J+	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.31	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.21	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	3.21	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.17	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.82	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.82	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207110	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.11	2.21	8.39	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.865	1.84	6.62	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.38	2.01	6.52	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.08	2.04	7.46	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.11	1.58	5.87	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.09	2.31	7.61	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.642	—	—	0.6	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.994	—	—	0.6	µg/L	Y	J	J	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.996	—	—	0.6	µg/L	Y	J	J	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.339	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.338	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.133	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.229	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0195	—	—	0.017	mg/L	Y	J	J	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.692	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.14	—	—	0.05	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.137	—	—	0.05	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0919	—	—	0.05	µg/L	Y	J	J	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.0812	—	—	0.05	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	07/24/2018	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	N	0.05	—	—	0.05	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	N	0.05	—	—	0.05	µg/L	Y	U	U	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	4.56	—	—	0.597	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	4.45	—	—	0.587	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.71	—	—	0.548	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222447	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.54	—	—	0.54	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222448	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.65	—	—	0.519	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222449	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	3.21	—	—	0.565	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222450	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.58	—	—	0.452	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222451	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.19	—	—	0.527	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222446	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	9.68	—	—	0.583	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	33.7	—	—	0.723	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	32.5	—	—	0.711	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	38	—	—	0.654	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222448	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	33.2	—	—	0.63	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222449	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	41.8	—	—	0.685	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222450	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	32.3	—	—	0.548	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222451	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	37.4	—	—	0.638	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222446	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	44.4	—	—	0.664	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222447	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	70	—	—	0.706	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.63	—	—	0.723	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.94	—	—	0.711	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.57	—	—	0.664	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222447	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.42	—	—	0.654	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222448	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	8.86	—	—	0.63	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222449	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	10.4	—	—	0.685	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222450	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.56	—	—	0.548	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222451	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	9.23	—	—	0.638	ng/L	Y	—	J-	N3B-2021-1202	SW-21-222446	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	14.4	—	—	0.706	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0293	0.0194	0.138	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0000000129	0.0257	0.0958	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00514	0.00891	0.112	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0281	0.0394	0.0995	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0223	0.0148	0.0476	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0224	0.0106	0.0674	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0234	0.0234	0.143	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0203	0.0211	0.0996	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0103	0.0163	0.151	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0169	0.0258	0.109	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00371	0.0153	0.0753	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0634	0.0221	0.0668	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	10.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	11.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Potassium	K	Y	12	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	20.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	12.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.29	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.11	17	65.5	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	19.4	14.4	31.7	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.6	23.6	47.9	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11	14.9	58.1	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.4	13.5	47.7	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22	17.2	75.5	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.275	0.101	0.233	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0623	0.0623	0.238	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.0243	0.0544	0.233	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	11/13/2007	WP	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.225	0.15	0.49	—	pCi/L	Y	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	—	05/17/2006	WP	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.365	0.203	0.644	—	pCi/L	Y	U	U	163267	GU060500P12301	GELC
Sandia below Wetlands	—	06/07/2004	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	4.94	1.87	7.43	—	pCi/L	Y	U	U	114589	GU04060W12301	GELC
Sandia below Wetlands	—	06/07/2004	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.127	0.111	0.38	—	pCi/L	Y	U	U	114589	GU04060W12301	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	Y	0.275	0.208	—	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.449	0.229	—	—	pCi/L	Y	—	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.0243	0.174	—	—	pCi/L	Y	—	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.171	0.182	0.739	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:904	Radium-228	Ra-228	N	0.386	0.221	0.726	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	-0.0292	0.165	0.604	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	11/13/2007	WP	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.41	0.23	0.74	—	pCi/L	Y	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	—	06/07/2004	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	3.39	3.92	14.5	—	pCi/L	Y	U	U	114589	GU04060W12301	GELC
Sandia below Wetlands	—	07/24/2003	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	7.07	3.58	13.4	—	pCi/L	Y	U	U	84890	GU03070W12301	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	95.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	94.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	96.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	97.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	89.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	87.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	91.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	89.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	86.5	—	—	0.053	mg/L	Y	—	J	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	84.8	—	—	0.053	mg/L	Y	—	J	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	92.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	90.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	90	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	91.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	93.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	94.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207110	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	61.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	60.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	62.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	61.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	69.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	68.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	71	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	69.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Sodium	Na	Y	66.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Sodium	Na	Y	68.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	90.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	90.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	70.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	71.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	72.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	70.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	59.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.151	1.21	4.4	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.385	0.897	3.78	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.222	0.981	3.6	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.86	0.997	2.97	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.319	1.09	2.8	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.628	1.14	4.88	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	482	—	—	1	µS/cm	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	474	—	—	1	µS/cm	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	476	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	433	—	—	1	µS/cm	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	380	—	—	1	µS/cm	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	397	—	—	1	µS/cm	Y	—	NQ	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	72.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	71.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	73.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	73.2	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	74.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	73.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	75.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	74.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	76.6	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	77.4	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	69.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	68.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	67.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	68.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	73.6	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	75.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207110	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.128	0.115	0.383	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.281	0.104	0.334	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.164	0.142	0.484	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0843	0.125	0.488	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0396	0.131	0.493	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.044	0.131	0.508	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	14.7	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	14.7	—	—	0.133	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	15	—	—	0.133	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	11.9	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	25.6	—	—	5.32	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	14.6	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	371	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	364	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	314	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	269	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	274	—	—	3.4	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.618	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.543	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.767	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.662	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.598	—	—	0.033	mg/L	Y	—	NQ	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	5.79	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	5.72	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	4.35	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	7.75	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	12.5	—	—	0.33	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	9.84	—	—	0.33	mg/L	Y	—	NQ	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	47.89	—	—	—	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	46.89	—	—	—	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	48.82	—	—	—	ng/L	Y	—	NQ	N3B-2021-1202	SW-21-222446	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	56.68	—	—	—	ng/L	Y	—	NQ	N3B-2021-1202	SW-21-222447	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	49.96	—	—	—	ng/L	Y	—	NQ	N3B-2021-1202	SW-21-222448	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	44.71	—	—	—	ng/L	Y	—	NQ	N3B-2021-1202	SW-21-222449	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	55.41	—	—	—	ng/L	Y	—	NQ	N3B-2021-1202	SW-21-222450	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	44.44	—	—	—	ng/L	Y	—	NQ	N3B-2021-1202	SW-21-222451	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	94.08	—	—	—	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.53	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.5	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.76	—	—	0.02	mg/L	Y	—	J+	N3B-2020-1601	CASA-20-199015	GELC
Sandia below Wetlands	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.44	—	—	0.02	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	—	02/25/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.11	—	—	0.02	mg/L	Y	—	J+	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	—	11/26/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.64	—	—	0.02	mg/L	Y	—	J+	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.168	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.162	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.172	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.17	—	—	0.067	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.234	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.23	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.222	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.21	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Uranium	U	Y	0.137	—	—	0.067	µg/L	Y	J	J	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.8	Uranium	U	Y	0.122	—	—	0.067	µg/L	Y	J	J	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.284	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.278	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.154	—	—	0.067	µg/L	Y	J	J	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.153	—	—	0.067	µg/L	Y	J	J	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Uranium	U	Y	0.167	—	—	0.067	µg/L	Y	J	J	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.17	—	—	0.067	µg/L	Y	J	J	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.174	—	—	0.067	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0949	0.0355	0.124	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.161	0.0359	0.147	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.137	0.035	0.0999	—	pCi/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0848	0.0253	0.0895	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0766	0.0424	0.205	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.155	0.0333	0.0912	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0121	0.017	0.093	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0356	0.0213	0.11	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00754	0.0148	0.078	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0111	0.0109	0.0753	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00877	0.0132	0.195	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00478	0.0143	0.0773	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0146	0.0244	0.122	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0288	0.0237	0.144	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.114	0.0299	0.0909	—	pCi/L	Y	—	NQ	N3B-2020-1601	CASA-20-199014	GELC
Sandia below Wetlands	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0487	0.0211	0.0713	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.014	0.0198	0.142	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0658	0.0186	0.0755	—	pCi/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.31	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.45	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.59	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.76	—	—	1	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.12	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.23	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.23	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Vanadium	V	Y	7.86	—	—	1	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Vanadium	V	Y	7.61	—	—	1	µg/L	Y	—	NQ	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.32	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.16	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217767	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	7.17	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	7.42	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.07	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	10.6	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207111	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	12.1	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231069	GELC
Sandia below Wetlands	—	07/30/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	12.1	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231096	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	15.2	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231068	GELC
Sandia below Wetlands	—	07/30/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	15.5	—	—	3.3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231095	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	20.9	—	—	3.3	µg/L	Y	—	U	N3B-2021-1472	CASA-21-224366	GELC
Sandia below Wetlands	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	20.7	—	—	3.3	µg/L	Y	—	U	N3B-2021-1472	CASA-21-224363	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	19.6	—	—	3.3	µg/L	Y	J	U	N3B-2021-1472	CASA-21-224367	GELC
Sandia below Wetlands	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	18.9	—	—	3.3	µg/L	Y	J	U	N3B-2021-1472	CASA-21-224364	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Zinc	Zn	Y	18.7	—	—	3.3	µg/L	Y	J	J	N3B-2021-1202	SW-21-222458	GELC
Sandia below Wetlands	—	04/05/2021	WS	UF	INIT	REG	Inorganic	EPA:200.7	Zinc	Zn	Y	18.5	—	—	3.3	µg/L	Y	J	J	N3B-2021-1202	SW-21-222459	GELC
Sandia below Wetlands	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	21.1	—	—	3.3	µg/L	Y	—	J	N3B-2021-840	CASA-21-217766	GELC
Sandia below Wetlands	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	14.3	—	—	3.3	µg/L	Y	J	J	N3B-2021-840	CASA-21-217767	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	14.2	—	—	3.3	µg/L	Y	J	U	N3B-2021-383	CASA-21-210772	GELC
Sandia below Wetlands	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	15.7	—	—	3.3	µg/L	Y	J	U	N3B-2021-383	CASA-21-210764	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	18.9	—	—	3.3	µg/L	Y	J	J	N3B-2021-383	CASA-21-210769	GELC
Sandia below Wetlands	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	22.6	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210763	GELC
Sandia below Wetlands	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	16.7	—	—	3.3	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207111	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.35	—	—	0.01	SU	Y	H	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.17	—	—	0.01	SU	Y	H	NQ	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	1.61	—	—	1.45	mg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	131	—	—	1.45	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	132	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	134	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.5	—	—	1.45	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85.9	—	—	1.45	mg/L	Y	—	NQ	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00231	0.00951	0.0409	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0105	0.0123	0.0465	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0123	0.00873	0.0299	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00273	0.00904	0.0546	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00657	0.00579	0.0326	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00974	0.00754	0.029	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.115	—	—	0.017	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.114	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.22	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.119	—	—	0.017	mg/L	Y	—	U	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.124	—	—	0.017	mg/L	Y	—	U	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.178	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.145	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.76	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.92	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.83	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.86	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.1	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.21	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.46	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.53	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	N	2	—	—	2	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	16.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	14.9	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	17.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	17.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	21.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22.9	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	96.1	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	94.4	—	—	15	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	82.5	—	—	15	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	79	—	—	15	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	45.9	—	—	15	µg/L	Y	J	J	N3B-2021-840	CASA-21-217771	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	45.4	—	—	15	µg/L	Y	J	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	67.8	—	—	15	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	67.9	—	—	15	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	110	—	—	15	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	111	—	—	15	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.02	—	—	0.067	mg/L	Y	—	J-	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	0.934	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.17	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.16	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.22	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	0.693	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	0.734	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	14.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.44	1.15	3.3	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0438	1.24	4.76	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.516	0.83	2.94	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.692	0.833	3.19	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.27	1.25	4.26	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.11	1.27	4.96	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	58	—	—	0.67	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	48.4	—	—	0.67	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	74.2	—	—	0.67	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	200	—	—	2.68	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	197	—	—	2.68	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	38	—	—	0.335	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	38.2	—	—	0.335	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.16	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.29	—	—	3	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.11	—	—	3	µg/L	Y	J	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.591	1.08	4.02	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.324	1.16	4.51	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.276	0.877	3.62	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.08	1.03	4.2	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.37	1.51	4.93	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.03	0.982	4.58	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.224	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.262	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.465	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.265	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.309	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.159	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.165	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.16	0.89	2.81	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.538	0.725	2.73	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.386	0.533	2.91	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.26	0.892	2.92	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0487	0.621	2.8	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.492	0.585	2.24	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.19	1.06	2.76	—	pCi/L	Y	—	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.72	1.17	2.12	—	pCi/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12.8	1.11	2.52	—	pCi/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.647	0.693	2.34	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.63	0.548	1.61	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	5.23	0.379	0.947	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	60.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	76.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	76	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	39.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	37.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	55.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	55.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	60.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	60.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	97.1	—	—	30	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	129	—	—	30	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	104	—	—	30	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	55.5	—	—	30	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	78.6	—	—	30	µg/L	Y	J	J	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	106	—	—	30	µg/L	Y	—	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	73.3	—	—	30	µg/L	Y	J	J	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	47.7	—	—	30	µg/L	Y	J	J	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	30.5	—	—	30	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	57	—	—	30	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.67	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.73	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.27	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.23	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.17	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.04	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.42	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.37	—	—	0.11	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.07	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.14	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.21	—	—	2	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11	—	—	2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	13.6	—	—	2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.45	—	—	2	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.12	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	9.25	—	—	2	µg/L	Y	J	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	10.2	—	—	2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.58	—	—	2	µg/L	Y	J	J	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.9	—	—	2	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.4	—	—	2	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.99	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.02	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.06	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.09	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.75	—	—	0.2	µg/L	Y	—	J+	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.82	—	—	0.2	µg/L	Y	—	J+	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.44	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	2.58	—	—	0.2	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.92	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.97	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.06	1.97	6.39	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.293	2.34	8.39	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.69	1.87	7.12	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.15	1.65	6.21	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.15	2.27	8.85	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.575	2.25	8.21	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.751	—	—	0.6	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.719	—	—	0.6	µg/L	Y	J	J	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.673	—	—	0.6	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	0.678	—	—	0.6	µg/L	Y	J	J	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.22	—	—	0.6	µg/L	Y	J	J	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	1.21	—	—	0.6	µg/L	Y	J	J	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.06	—	—	0.085	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.4	—	—	0.017	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.745	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.513	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.498	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.905	—	—	0.085	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.93	—	—	0.085	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.499	—	—	0.05	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.162	—	—	0.05	µg/L	Y	J	J	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.119	—	—	0.05	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.177	—	—	0.05	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.116	—	—	0.05	µg/L	Y	J	J	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	FD	LCMS/MS	SW-846:6850	Perchlorate	ClO4	Y	0.112	—	—	0.05	µg/L	Y	J	J	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	2.95	—	—	0.594	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	Y	7.79	—	—	0.569	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	14.6	—	—	0.72	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	95.2	—	—	0.69	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	12.2	—	—	0.72	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	21	—	—	0.69	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0282	0.332	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0132	0.0116	0.0955	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0873	0.0818	0.41	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0221	0.00947	0.0405	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00768	0.00768	0.0462	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0042	0.0126	0.0379	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0199	0.345	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0132	0.0146	0.129	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.216	0.1	0.448	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00631	0.00893	0.064	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00512	0.012	0.0458	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0084	0.00939	0.0376	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.7	—	—	0.05	mg/L	Y	—	J+	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.65	—	—	0.05	mg/L	Y	—	J+	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.14	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.43	17.6	70.3	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	76.8	20.2	45.5	—	pCi/L	Y	UI	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	46.6	32.2	37.8	—	pCi/L	Y	UI	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-7.67	13.7	50.9	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-2.38	19.7	73.4	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-7.98	14.4	58.5	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.266	0.114	0.327	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.321	0.125	0.358	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	05/17/2006	WP	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.147	0.203	0.738	—	pCi/L	Y	U	U	163267	GU060500P12101	GELC
Sandia right fork at Pwr Plant	—	06/07/2004	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	N	0.176	0.0897	0.276	—	pCi/L	Y	U	U	114589	GU04060W12101	GELC
Sandia right fork at Pwr Plant	—	06/07/2004	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	2.04	3.41	6.54	—	pCi/L	Y	U	U	114589	GU04060W12101	GELC
Sandia right fork at Pwr Plant	—	07/23/2003	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-226	Ra-226	N	2.43	4.25	7.36	—	pCi/L	Y	U	U	84890	GU03070W12101	GELC
Sandia right fork at Pwr Plant	—	07/23/2003	WS	UF	INIT	REG	RAD	EPA:903.1	Radium-226	Ra-226	Y	0.321	0.107	0.248	—	pCi/L	Y	—	J	84890	GU03070W12101	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.342	0.169	—	—	pCi/L	Y	—	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	Generic:Radium by	Radium-226 and Radium-228	Ra-226+228	N	0.643	0.235	—	—	pCi/L	Y	—	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.076	0.124	0.449	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:904	Radium-228	Ra-228	N	0.322	0.199	0.659	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	06/07/2004	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	7.61	3.32	13.7	—	pCi/L	Y	U	U	114589	GU04060W12101	GELC
Sandia right fork at Pwr Plant	—	07/23/2003	WS	UF	INIT	REG	RAD	EPA:901.1	Radium-228	Ra-228	N	11.1	4.06	15	—	pCi/L	Y	U	U	84890	GU03070W12101	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	88.5	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	88.4	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	86.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	86.3	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.5	—	—	0.053	mg/L	Y	—	J	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	93.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	94.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	84.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	85.1	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	72.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	73.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	73.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	73.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	68.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	65.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	71.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	71.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	61.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	61.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.83	1.17	3.92	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.618	1.07	4.06	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.209	0.725	2.9	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.866	0.746	2.62	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.24	1.38	5.96	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0344	1.17	4.64	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	518	—	—	1	µS/cm	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	496	—	—	1	µS/cm	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	551	—	—	1	µS/cm	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	319	—	—	1	µS/cm	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	410	—	—	1	µS/cm	Y	—	NQ	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	419	—	—	1	µS/cm	Y	—	NQ	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	53.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	54.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	48.3	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	44.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	43.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	69.4	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	69.5	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	62.1	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	62.7	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.112	0.067	0.221	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0517	0.141	0.499	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.3	0.15	0.491	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.17	0.123	0.489	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0789	0.105	0.423	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.113	0.124	0.489	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	17.2	—	—	1.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	19.3	—	—	1.33	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	16.5	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	28.1	—	—	5.32	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	23.1	—	—	0.266	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	14	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	13.4	—	—	0.133	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	366	—	—	3.4	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	364	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	389	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	233	—	—	3.4	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	284	—	—	3.4	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	290	—	—	3.4	mg/L	Y	—	NQ	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.718	—	—	0.033	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.992	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.533	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.985	—	—	0.033	mg/L	Y	—	NQ	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	1.04	—	—	0.033	mg/L	Y	—	NQ	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.6	—	—	0.33	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	3.34	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	5.64	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	5.58	—	—	0.33	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	8.48	—	—	0.33	mg/L	Y	—	NQ	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	8.29	—	—	0.33	mg/L	Y	—	NQ	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	29.75	—	—	—	ng/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	LCMS/MS	EPA:537M	Total PFAS 3a	PFAS-Tot-3a	Y	123.99	—	—	—	ng/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.57	—	—	0.02	mg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.16	—	—	0.02	mg/L	Y	—	J+	N3B-2020-1601	CASA-20-199012	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.49	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.12	—	—	0.02	mg/L	Y	—	J+	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	—	02/28/2019	WS	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.15	—	—	0.02	mg/L	Y	—	J+	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.49	—	—	0.02	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	—	11/29/2018	WS	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.51	—	—	0.02	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.233	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.236	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.215	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.208	—	—	0.067	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.153	—	—	0.067	µg/L	Y	J	J	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.164	—	—	0.067	µg/L	Y	J	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.138	—	—	0.067	µg/L	Y	J	J	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.14	—	—	0.067	µg/L	Y	J	J	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.159	—	—	0.067	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.162	—	—	0.067	µg/L	Y	J	J	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.0865	0.0211	0.0803	—	pCi/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.145	0.0386	0.105	—	pCi/L	Y	—	NQ	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.162	0.0293	0.0831	—	pCi/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0821	0.0368	0.225	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.157	0.0192	0.0481	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.182	0.0205	0.053	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00778	0.0135	0.06	—	pCi/L	Y	U	U	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0118	0.0205	0.0823	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.000543	0.0116	0.0699	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0386	0.0221	0.214	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0403	0.0118	0.0407	—	pCi/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0195	0.01	0.0449	—	pCi/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0535	0.0157	0.079	—	pCi/L	Y	U	UJ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	08/21/2020	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.094	0.0298	0.0959	—	pCi/L	Y	U	U	N3B-2020-1601	CASA-20-199009	GELC
Sandia right fork at Pwr Plant	—	07/26/2019	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.105	0.0214	0.0662	—	pCi/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	—	07/24/2018	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0427	0.0253	0.156	—	pCi/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0673	0.0134	0.0398	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142038	GELC

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

Location ID	Screen Depth (ft)	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	—	08/08/2017	WS	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0629	0.0135	0.0439	—	pCi/L	Y	—	NQ	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.16	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.7	—	—	1	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	11.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	10.8	—	—	1	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.56	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.58	—	—	1	µg/L	Y	—	NQ	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.93	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	10.1	—	—	1	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	16.9	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	16.9	—	—	1	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	39	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231112	GELC
Sandia right fork at Pwr Plant	—	07/30/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	42.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-2196	CASA-21-231111	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	64.5	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224361	GELC
Sandia right fork at Pwr Plant	—	05/03/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	50.9	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-1472	CASA-21-224362	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	43.5	—	—	3.3	µg/L	Y	—	J	N3B-2021-840	CASA-21-217771	GELC
Sandia right fork at Pwr Plant	—	02/09/2021	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	47.7	—	—	3.3	µg/L	Y	—	J	N3B-2021-840	CASA-21-217770	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	50.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210765	GELC
Sandia right fork at Pwr Plant	—	11/10/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	49.6	—	—	3.3	µg/L	Y	—	NQ	N3B-2021-383	CASA-21-210766	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	29	—	—	3.3	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207113	GELC
Sandia right fork at Pwr Plant	—	09/15/2020	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	35.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2020-1778	CASA-20-207112	GELC

Appendix D

Base Flow 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	Sample Purpose	Detected	Report Result	Method Detection Limit	Report Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Codes	Best Value	Lab Method	Lab ID	Screening Level	Reporting Level Code	Result per Screening Level
Base Flow	Between E252 and Water at Beta	0.0	3/11/2022	Metals	Aluminum	Al	UF[a]	INIT[b]	REG[c]	Y	605	68	µg/L	1.0	—[d]	NQ[e]	NQ	Y[f]	SW-846:6010D	GELC[g]	951.98	NM Aquatic Life Acute[h]	0.64
Base Flow	Paj bel S-N Anch E Basin conf	0.0	3/8/2022	Metals	Aluminum	Al	UF	INIT	REG	Y	2640	68	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1580.27	NM Aquatic Life Acute	1.67
Base Flow	Rio Grande at Frijoles	0.0	10/5/2021	Metals	Aluminum	Al	UF	INIT	REG	Y	2040	68	µg/L	1.0	—	J[i]	I10a[j]	Y	SW-846:6010D	GELC	1921.68	NM Aquatic Life Chronic[k]	1.06
Base Flow	Rio Grande at Frijoles	0.0	10/5/2021	Metals	Iron	Fe	UF	INIT	REG	Y	1290	30	µg/L	1.0	—	J	I10a	Y	SW-846:6010D	GELC	1000	NM Aquatic Life Chronic	1.29
Base Flow	Rio Grande at Otowi Bridge	0.0	4/13/2022	Metals	Aluminum	Al	UF	INIT	REG	Y	4730	68	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	4541.8; 1819.6	NM Aquatic Life Acute; NM Aquatic Life Chronic	1.0; 2.6
Base Flow	Rio Grande at Otowi Bridge	0.0	10/12/2021	Metals	Aluminum	Al	UF	INIT	REG	Y	1580	68	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1839.92	NM Aquatic Life Chronic	0.86
Base Flow	Rio Grande at Otowi Bridge	0.0	4/13/2022	Metals	Iron	Fe	UF	INIT	REG	Y	3170	30	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1000	NM Aquatic Life Chronic	3.17
Base Flow	Rio Grande at Otowi Bridge	0.0	10/12/2021	Metals	Iron	Fe	UF	INIT	REG	Y	972	30	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1000	NM Aquatic Life Chronic	0.97
Base Flow	Sandia below Wetlands	0.0	7/30/2021	Inorganic	Iron	Fe	UF	INIT	REG	Y	792	30	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010C	GELC	1000	NM Aquatic Life Chronic	0.79
Base Flow	Sandia right fork at Pwr Plant	0.0	7/30/2021	Inorganic	Zinc	Zn	F	INIT	REG	Y	39	3	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010C	GELC	75.70	NM Aquatic Life Chronic	0.52
Base Flow	Rio Grande at Otowi Bridge	0.0	10/12/2021	HRGC/HRMS	Dioxin	35822-46-9; 3268-87-9	UF	INIT	REG	Y	7.6E-08	1.91E-05; 3.5E-05	µg/L	1.0		J	J	Y	SW-846:8290A	CFA	5.1E-08	NM Human Health OO[l]	1.49

[a] UF = Unfiltered.
[b] INIT = Initial.
[c] REG = Regular.
[d] — = Not applicable.
[e] NQ = Not qualified.
[f] Y = Yes.
[g] GELC = General Engineering Laboratories, LLC, Charleston, SC.
[h] NM Aqu Acute = New Mexico Water Quality Control Commission aquatic life standards for acute exposure.
[i] J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
[j] The sample and the duplicate sample results were >=5X the reporting limit and the duplicate relative percent difference was >20% for water samples.
[k] NM Aqu Chronic = New Mexico Water Quality Control Commission aquatic life standards for chronic exposure.
[l] NM Human Health OO = NMWQCC human-health organism only surface-water standards.

Appendix D

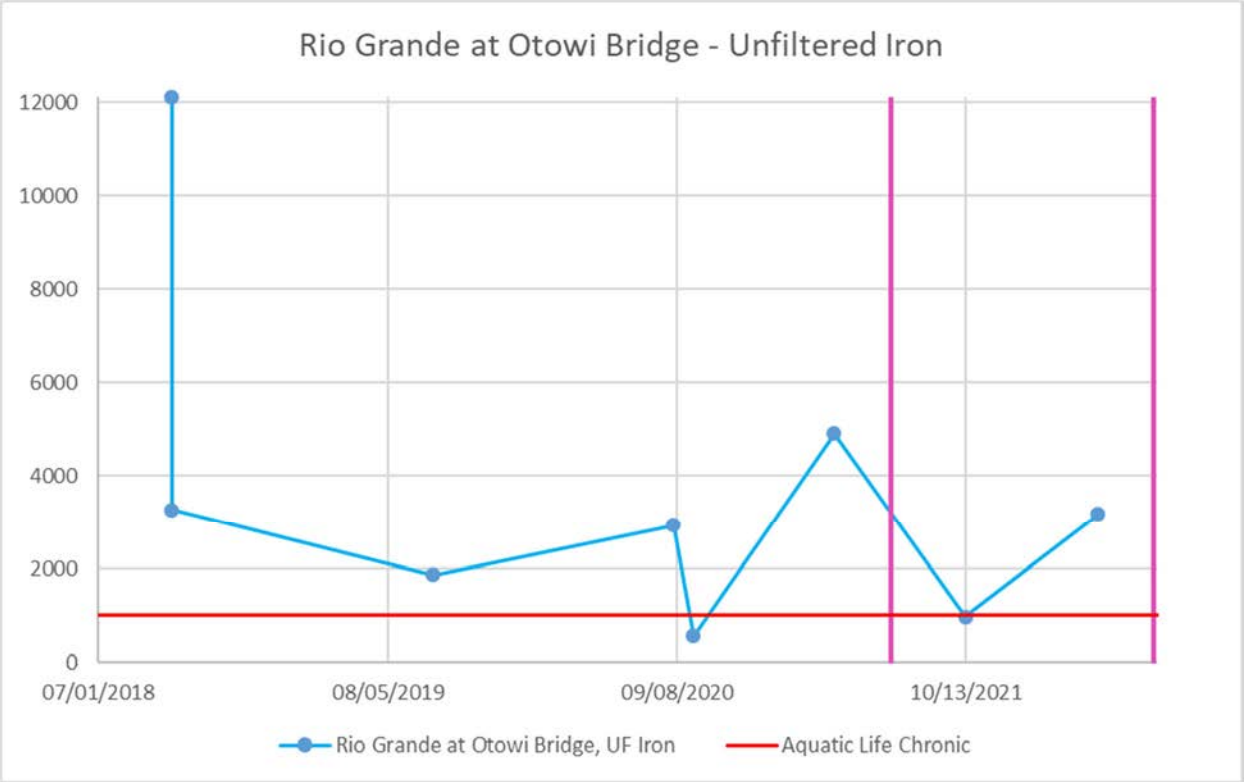
Base Flow Results Greater Than Half of Screening Values

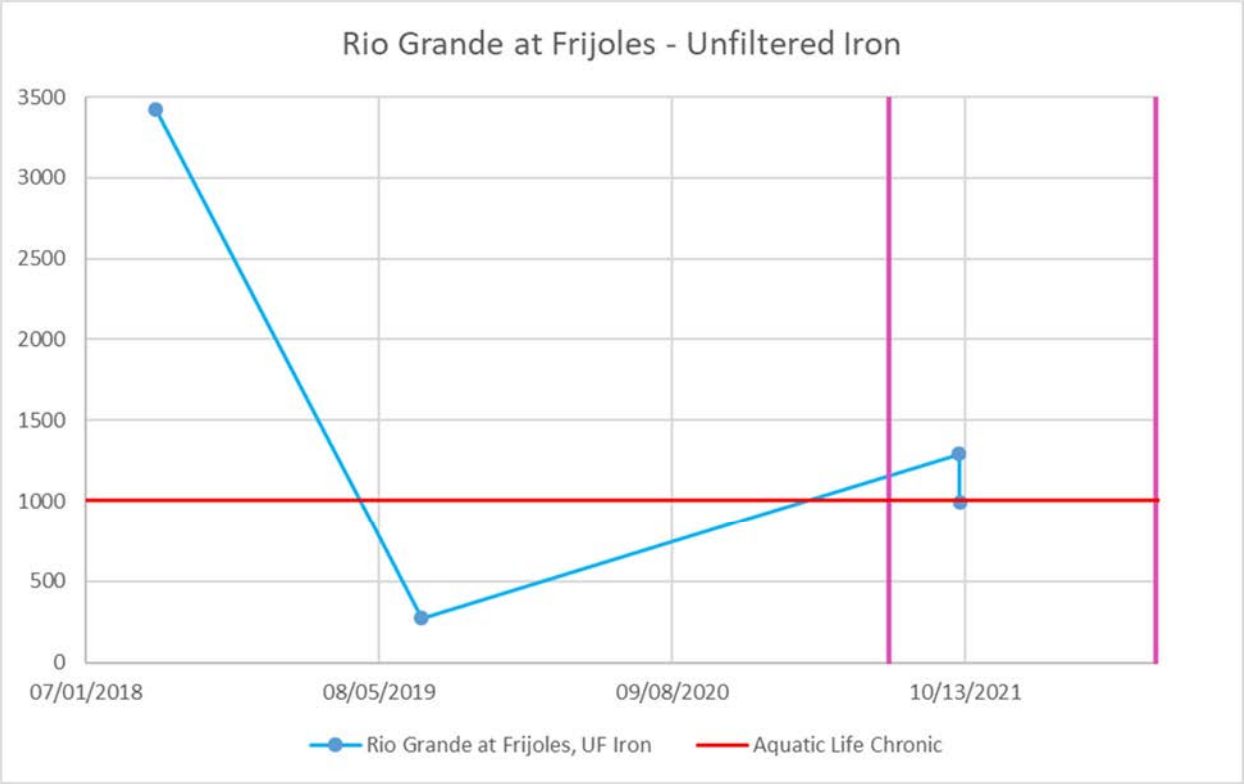
Zone	Location ID	Screen Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Preparation Code	Analysis Type Code	Sample Purpose	Detected	Report Result	Method Detection Limit	Report Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Codes	Best Value	Lab Method	Lab ID	Screening Level	Reporting Level Code	Result per Screening Level
Base Flow	Between E252 and Water at Beta	0.0	3/11/2022	Metals	Aluminum	Al	UF[a]	INIT[b]	REG[c]	Y	605	68	µg/L	1.0	—[d]	NQ[e]	NQ	Y[f]	SW-846:6010D	GELC[g]	951.98	NM Aquatic Life Acute[h]	0.64
Base Flow	Paj bel S-N Anch E Basin conf	0.0	3/8/2022	Metals	Aluminum	Al	UF	INIT	REG	Y	2640	68	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1580.27	NM Aquatic Life Acute	1.67
Base Flow	Rio Grande at Frijoles	0.0	10/5/2021	Metals	Aluminum	Al	UF	INIT	REG	Y	2040	68	µg/L	1.0	—	J[i]	I10a[j]	Y	SW-846:6010D	GELC	1921.68	NM Aquatic Life Chronic[k]	1.06
Base Flow	Rio Grande at Frijoles	0.0	10/5/2021	Metals	Iron	Fe	UF	INIT	REG	Y	1290	30	µg/L	1.0	—	J	I10a	Y	SW-846:6010D	GELC	1000	NM Aquatic Life Chronic	1.29
Base Flow	Rio Grande at Otowi Bridge	0.0	4/13/2022	Metals	Aluminum	Al	UF	INIT	REG	Y	4730	68	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	4541.8; 1819.6	NM Aquatic Life Acute; NM Aquatic Life Chronic	1.0; 2.6
Base Flow	Rio Grande at Otowi Bridge	0.0	10/12/2021	Metals	Aluminum	Al	UF	INIT	REG	Y	1580	68	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1839.92	NM Aquatic Life Chronic	0.86
Base Flow	Rio Grande at Otowi Bridge	0.0	4/13/2022	Metals	Iron	Fe	UF	INIT	REG	Y	3170	30	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1000	NM Aquatic Life Chronic	3.17
Base Flow	Rio Grande at Otowi Bridge	0.0	10/12/2021	Metals	Iron	Fe	UF	INIT	REG	Y	972	30	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010D	GELC	1000	NM Aquatic Life Chronic	0.97
Base Flow	Sandia below Wetlands	0.0	7/30/2021	Inorganic	Iron	Fe	UF	INIT	REG	Y	792	30	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010C	GELC	1000	NM Aquatic Life Chronic	0.79
Base Flow	Sandia right fork at Pwr Plant	0.0	7/30/2021	Inorganic	Zinc	Zn	F	INIT	REG	Y	39	3	µg/L	1.0	—	NQ	NQ	Y	SW-846:6010C	GELC	75.70	NM Aquatic Life Chronic	0.52
Base Flow	Rio Grande at Otowi Bridge	0.0	10/12/2021	HRGC/HRMS	Dioxin	35822-46-9; 3268-87-9	UF	INIT	REG	Y	7.6E-08	1.91E-05; 3.5E-05	µg/L	1.0		J	J	Y	SW-846:8290A	CFA	5.1E-08	NM Human Health OO[l]	1.49

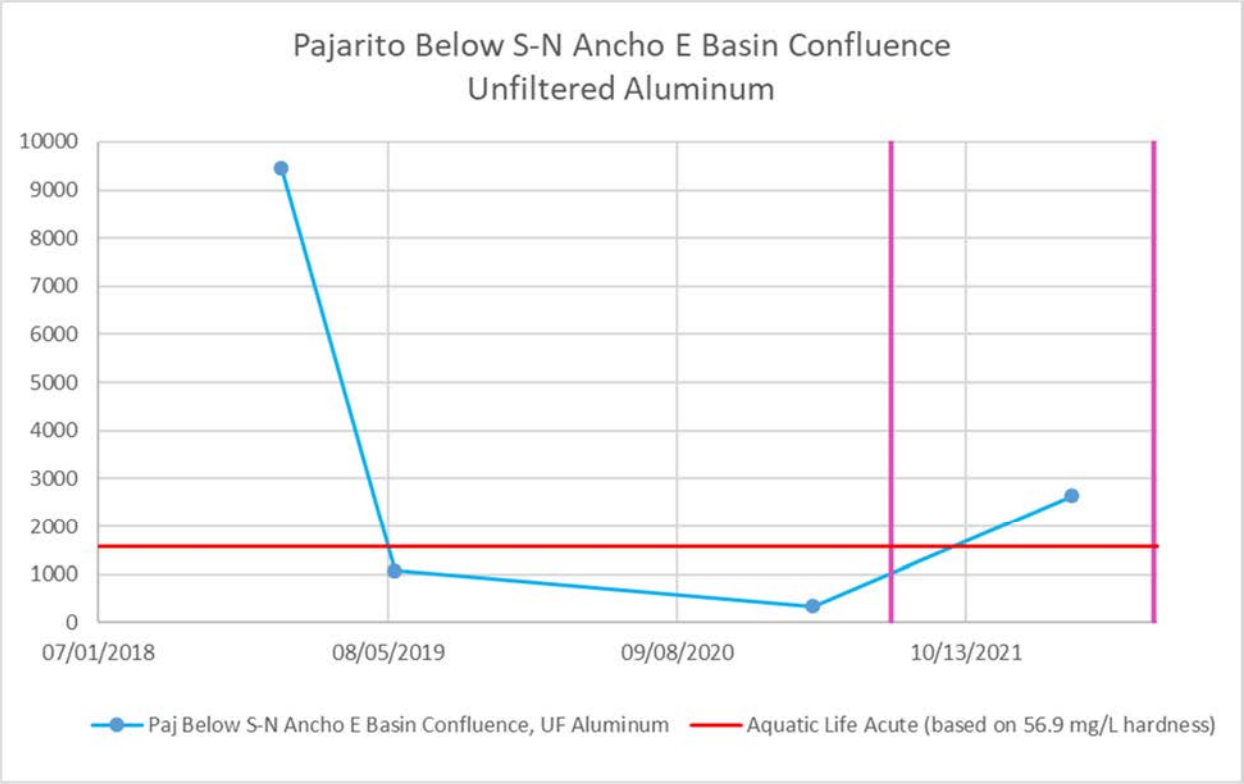
[a] UF = Unfiltered.
[b] INIT = Initial.
[c] REG = Regular.
[d] — = Not applicable.
[e] NQ = Not qualified.
[f] Y = Yes.
[g] GELC = General Engineering Laboratories, LLC, Charleston, SC.
[h] NM Aqu Acute = New Mexico Water Quality Control Commission aquatic life standards for acute exposure.
[i] J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
[j] The sample and the duplicate sample results were >=5X the reporting limit and the duplicate relative percent difference was >20% for water samples.
[k] NM Aqu Chronic = New Mexico Water Quality Control Commission aquatic life standards for chronic exposure.
[l] NM Human Health OO = NMWQCC human-health organism only surface-water standards.

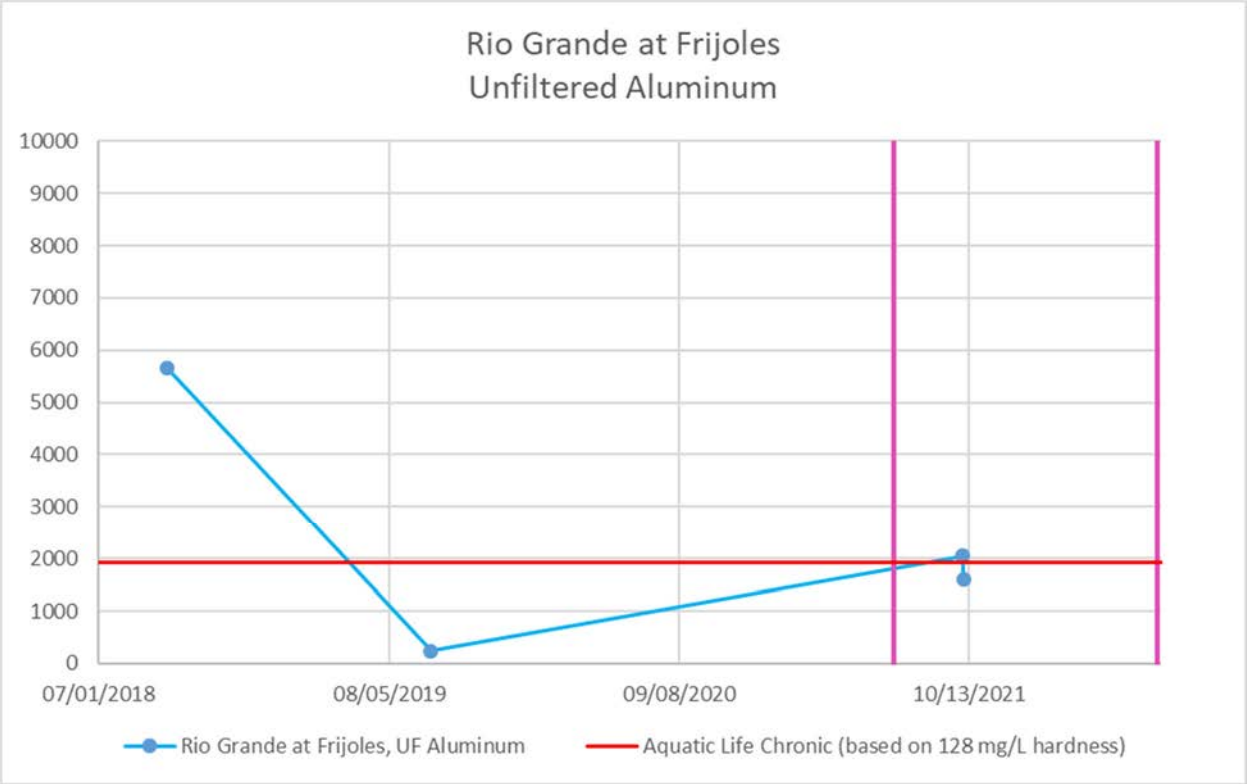
Appendix E

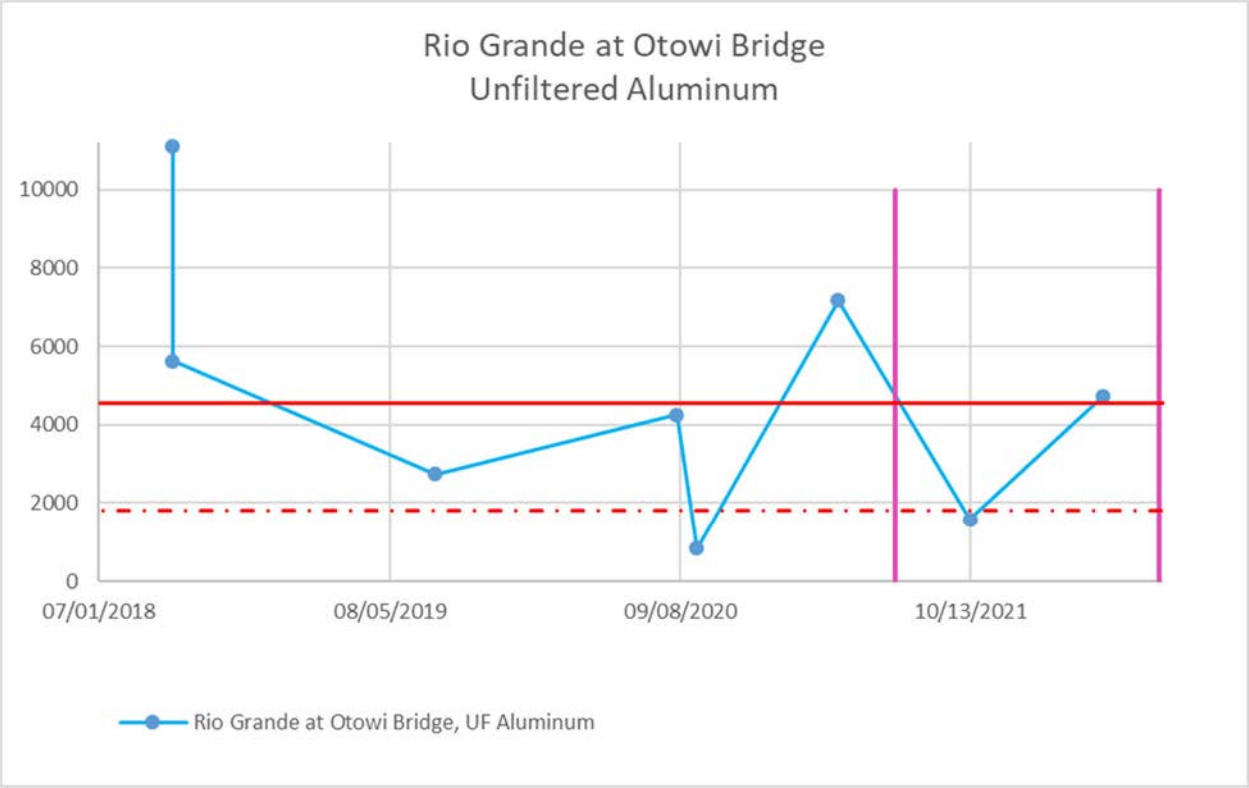
Analytical Chemistry Graphs of Screening-Value Exceedances

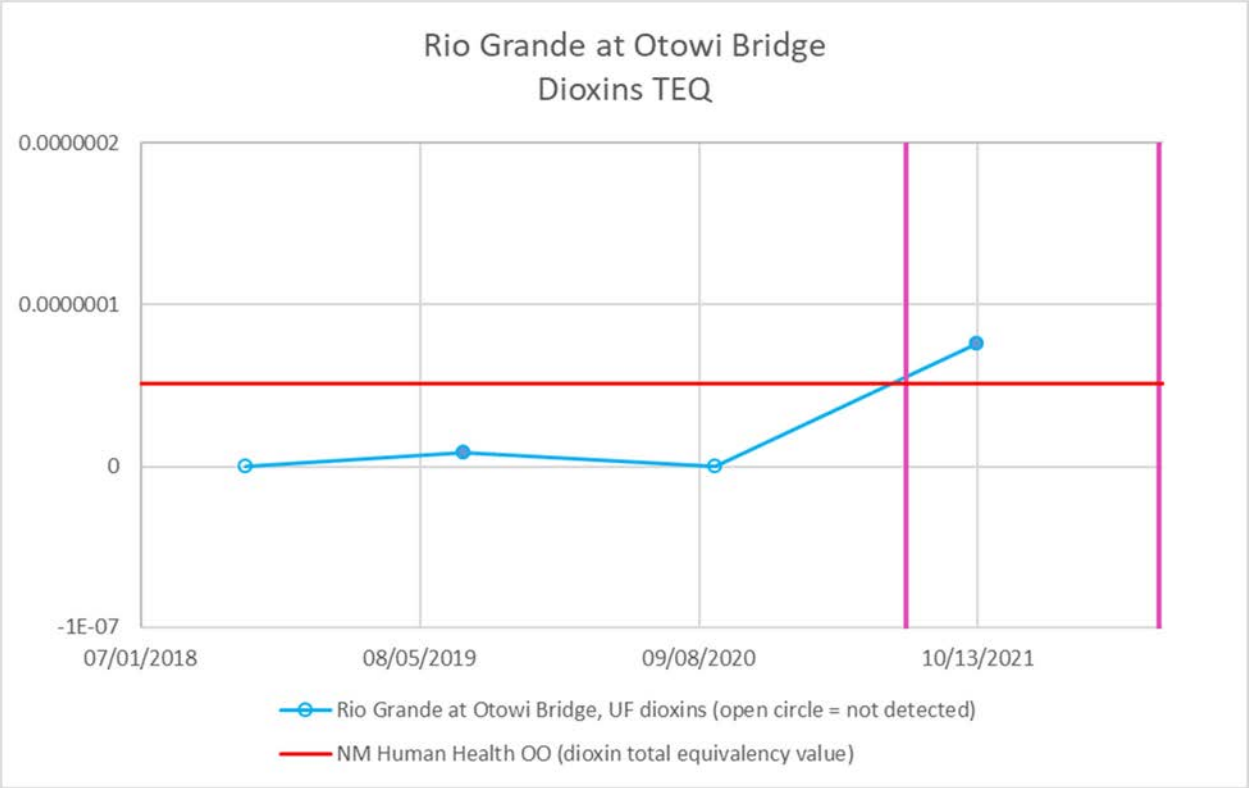

Rio Grande at Otowi Bridge - Unfiltered Iron
12000
10000
8000
6000
4000
2000
0
07/01/2018
08/05/2019
09/08/2020
10/13/2021
Rio Grande at Otowi Bridge, UF Iron
Aquatic Life Chronic


Rio Grande at Frijoles - Unfiltered Iron
3500
3000
2500
2000
1500
1000
500
0
07/01/2018
08/05/2019
09/08/2020
10/13/2021
Rio Grande at Frijoles, UF Iron
Aquatic Life Chronic


Pajarito Below S-N Ancho E Basin Confluence
Unfiltered Aluminum
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
07/01/2018
08/05/2019
09/08/2020
10/13/2021
Paj Below S-N Ancho E Basin Confluence, UF Aluminum
Aquatic Life Acute (based on 56.9 mg/L hardness)


Rio Grande at Frijoles
Unfiltered Aluminum
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
07/01/2018
08/05/2019
09/08/2020
10/13/2021
Rio Grande at Frijoles, UF Aluminum
Aquatic Life Chronic (based on 128 mg/L hardness)


Rio Grande at Otowi Bridge
Unfiltered Aluminum
10000
8000
6000
4000
2000
0
07/01/2018
08/05/2019
09/08/2020
10/13/2021
Rio Grande at Otowi Bridge, UF Aluminum


Rio Grande at Otowi Bridge
Dioxins TEQ
0.0000002
0.0000001
0
-1E-07
07/01/2018
08/05/2019
09/08/2020
10/13/2021
Rio Grande at Otowi Bridge, UF dioxins (open circle = not detected)
NM Human Health OO (dioxin total equivalency value)

Appendix F

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

Chain of Custody No.	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2021-2196	Inorganic	GELC[a]	CASA-21-231068	07/30/2021	Sandia below Wetlands	—[b]	—
N3B-2021-2196	Inorganic	GELC	CASA-21-231069	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Inorganic	GELC	CASA-21-231095	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Inorganic	GELC	CASA-21-231096	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Inorganic	GELC	CASA-21-231111	07/30/2021	Sandia right fork at Pwr Plant	—	—
N3B-2021-2196	Inorganic	GELC	CASA-21-231112	07/30/2021	Sandia right fork at Pwr Plant	—	—
N3B-2021-2196	Organic	GELC	CASA-21-231068	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Organic	GELC	CASA-21-231095	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Organic	GELC	CASA-21-231111	07/30/2021	Sandia right fork at Pwr Plant	—	—
N3B-2021-2196	Rad[c]	GELC	CASA-21-231068	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Rad	GELC	CASA-21-231095	07/30/2021	Sandia below Wetlands	—	—
N3B-2021-2196	Rad	GELC	CASA-21-231111	07/30/2021	Sandia right fork at Pwr Plant	—	—
N3B-2022-1071	Inorganic	GELC	CAPA-22-243495	03/08/2022	Paj bel S-N Anch E Basin conf	—	—
N3B-2022-1071	Inorganic	GELC	CAPA-22-243496	03/08/2022	Paj bel S-N Anch E Basin conf	—	—
N3B-2022-1071	Organic	GELC	CAPA-22-243496	03/08/2022	Paj bel S-N Anch E Basin conf	—	—
N3B-2022-1071	Rad	GELC	CAPA-22-243496	03/08/2022	Paj bel S-N Anch E Basin conf	—	—
N3B-2022-1098	Inorganic	GELC	CAWA-22-242201	03/11/2022	Between E252 and Water at Beta	—	—
N3B-2022-1098	Inorganic	GELC	CAWA-22-242202	03/11/2022	Between E252 and Water at Beta	—	—
N3B-2022-1098	Organic	GELC	CAWA-22-242202	03/11/2022	Between E252 and Water at Beta	—	—
N3B-2022-1098	Rad	GELC	CAWA-22-242202	03/11/2022	Between E252 and Water at Beta	—	—
N3B-2022-120	Rad	ARSL[d]	CAWR-22-234625	10/12/2021	Rio Grande at Otowi Bridge	—	—
N3B-2022-1291	Inorganic	GELC	CAWR-22-248708	04/13/2022	Rio Grande at Otowi Bridge	—	—
N3B-2022-1291	Inorganic	GELC	CAWR-22-248709	04/13/2022	Rio Grande at Otowi Bridge	—	—
N3B-2022-40	Inorganic	GELC	CAWR-22-234621	10/04/2021	Pajarito at Rio Grande	—	—
N3B-2022-40	Inorganic	GELC	CAWR-22-234622	10/04/2021	Pajarito at Rio Grande	—	—
N3B-2022-42	Inorganic	GELC	CAWR-22-234431	10/05/2021	Ancho at Rio Grande	—	—

Chain of Custody No.	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2022-42	Inorganic	GELC	CAWR-22-234432	10/05/2021	Ancho at Rio Grande	—	—
N3B-2022-42	Organic	GELC	CAWR-22-234431	10/05/2021	Ancho at Rio Grande	—	—
N3B-2022-43	Inorganic	GELC	CAWR-22-234623	10/05/2021	Rio Grande at Frijoles	—	—
N3B-2022-43	Inorganic	GELC	CAWR-22-234624	10/05/2021	Rio Grande at Frijoles	—	—
N3B-2022-43	Inorganic	GELC	CAWR-22-234704	10/05/2021	Rio Grande at Frijoles	—	—
N3B-2022-43	Inorganic	GELC	CAWR-22-234705	10/05/2021	Rio Grande at Frijoles	—	—
N3B-2022-43	Organic	GELC	CAWR-22-234623	10/05/2021	Rio Grande at Frijoles	—	—
N3B-2022-43	Organic	GELC	CAWR-22-234704	10/05/2021	Rio Grande at Frijoles	—	—
N3B-2022-64	Inorganic	GELC	CAWR-22-234625	10/12/2021	Rio Grande at Otowi Bridge	—	—
N3B-2022-64	Inorganic	GELC	CAWR-22-234626	10/12/2021	Rio Grande at Otowi Bridge	—	—
N3B-2022-64	Organic	GELC	CAWR-22-234625	10/12/2021	Rio Grande at Otowi Bridge	—	—
N3B-2022-64	Rad	GELC	CAWR-22-234625	10/12/2021	Rio Grande at Otowi Bridge	—	—
N3B-2022-65	Inorganic	CFA[e]	CAWR-22-234625	10/12/2021	Rio Grande at Otowi Bridge	—	—
N3B-2022-65	Organic	CFA	CAWR-22-234625	10/12/2021	Rio Grande at Otowi Bridge	—	—

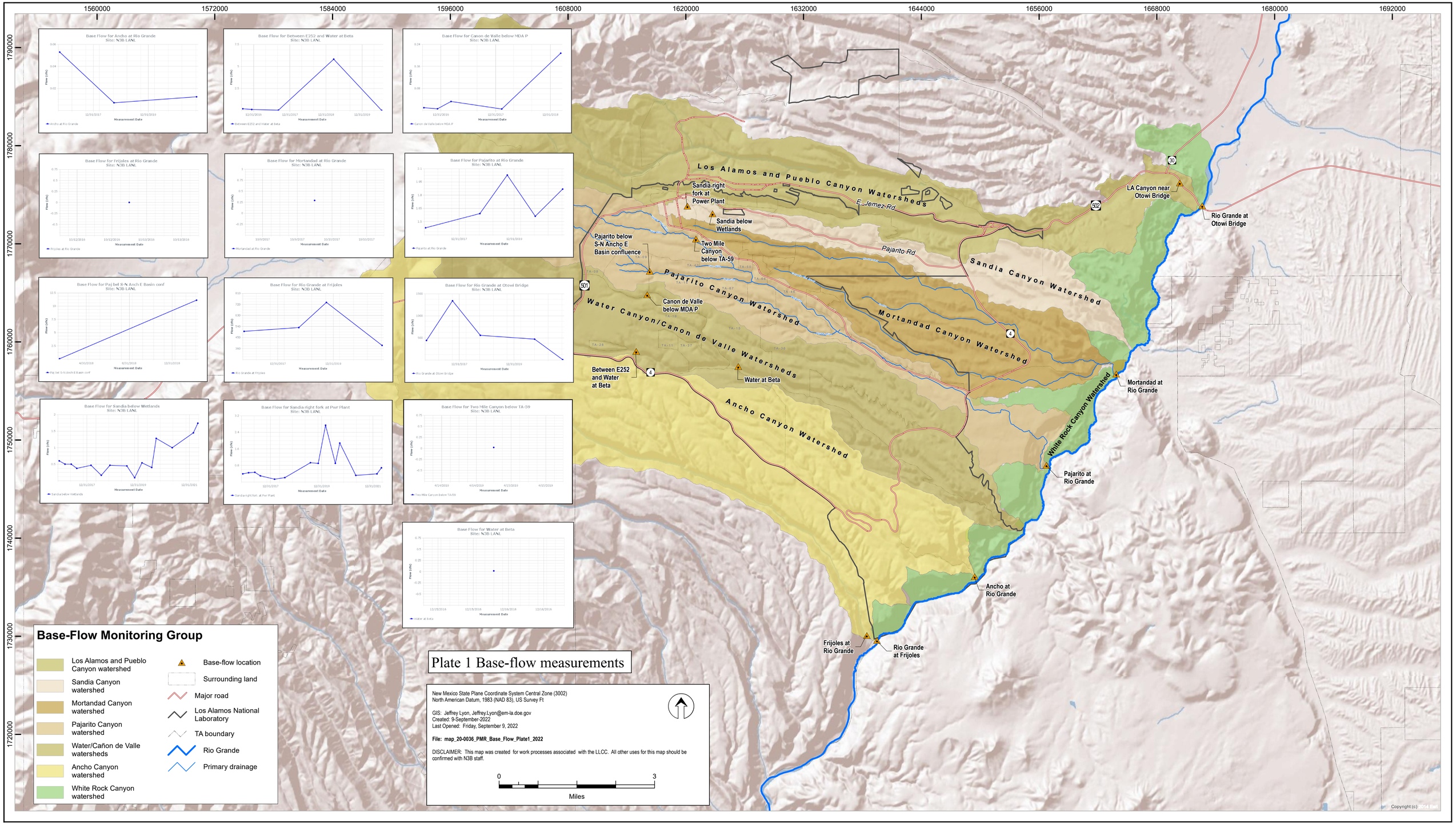
[a] GELC = GEL Laboratories, LLC, division of the GEL Group, Inc., Charleston, SC.

[b] —= Flow field parameters at this location were not assigned a field measurement record ID. Data are from the field notes.

[c] Rad = Radiochemistry (not gamma).

[d] ARSL = American Radiation Services, Inc.

[e] CFA = Cape Fear Analytical, LLC, Wilmington, NC, division of the GEL Group, Inc., Charleston SC.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1620000
1632000
1644000
1656000
1668000
1680000
1692000
1790000
1780000
1770000
1760000
1750000
1740000
1730000
1720000
Base Flow for Ancho at Rio Grande
Site: N3B LANL
Base Flow for Between E252 and Water at Beta
Site: N3B LANL
Base Flow for Canon de Valle below MDA P
Site: N3B LANL
Base Flow for Frijoles at Rio Grande
Site: N3B LANL
Base Flow for Mortandad at Rio Grande
Site: N3B LANL
Base Flow for Pajarito at Rio Grande
Site: N3B LANL
Base Flow for Paj bel S-N Anch E Basin conf
Site: N3B LANL
Base Flow for Rio Grande at Frijoles
Site: N3B LANL
Base Flow for Rio Grande at Otowi Bridge
Site: N3B LANL
Base Flow for Sandia below Wetlands
Site: N3B LANL
Base Flow for Sandia right fork at Pwr Plant
Site: N3B LANL
Base Flow for Two Mile Canyon below TA-59
Site: N3B LANL
Base Flow for Water at Beta
Site: N3B LANL
Flow (cfs)
Measurement Date
Los Alamos and Pueblo Canyon Watersheds
E. Jemez Rd.
Pajarito Rd.
Sandia right fork at Power Plant
Sandia below Wetlands
Two Mile Canyon below TA-59
Pajarito below S-N Ancho E Basin confluence
Canon de Valle below MDA P
Between E252 and Water at Beta
Water at Beta
Pajarito Canyon Watershed
Water Canyon/Canon de Valle Watersheds
Ancho Canyon Watershed
Sandia Canyon Watershed
Mortandad Canyon Watershed
LA Canyon near Otowi Bridge
Rio Grande at Otowi Bridge
Mortandad at Rio Grande
White Rock Canyon Watershed
Pajarito at Rio Grande
Ancho at Rio Grande
Frijoles at Rio Grande
Rio Grande at Frijoles
30
502
501
4
Copyright:(c) 2014 Esri
Base-Flow Monitoring Group
Los Alamos and Pueblo Canyon watershed
Sandia Canyon watershed
Mortandad Canyon watershed
Pajarito Canyon watershed
Water/Cañon de Valle watersheds
Ancho Canyon watershed
White Rock Canyon watershed
Base-flow location
Surrounding land
Major road
Los Alamos National Laboratory
TA boundary
Rio Grande
Primary drainage
Plate 1 Base-flow measurements
New Mexico State Plane Coordinate System Central Zone (3002)
North American Datum, 1983 (NAD 83), US Survey Ft
GIS: Jeffrey Lyon, Jeffrey.Lyon@em-la.doe.gov
Created: 9-September-2022
Last Opened: Friday, September 9, 2022
File: map_20-0036_PMR_Base_Flow_Plate1_2022
DISCLAIMER: This map was created for work processes associated with the LLCC. All other uses for this map should be confirmed with N3B staff.
0
3
Miles