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

Ltr: EMID-701123
Gen Surv PMR: EMID-701124
Base Flow PMR: EMID-701125

EMLA-2021-0017-02-001 November 30, 2020

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

Subject: Submittal of the 2020 Annual Periodic Monitoring Reports for the General Surveillance Monitoring Group and for Base Flow Sampling

Dear Mr. Pierard:

Enclosed please find two hard copies each with electronic files of the "2020 Annual Periodic Monitoring Report for the General Surveillance Monitoring Group: Los Alamos and Pueblo Canyon, Mortandad and Sandia Canyon, Water Canyon/Cañon de Valle, White Rock Canyon, and Pajarito Canyon Watersheds" and the "2020 Annual Periodic Monitoring Report for Base Flow Sampling: Los Alamos Canyon, Sandia Canyon, White Rock Canyon, and Pajarito Canyon Watersheds."

The General Surveillance monitoring group periodic monitoring report (PMR) includes results from sampling campaigns performed through the third quarter of monitoring year (MY) 2020.

This is the first annual base flow sampling PMR. Previously, base flow monitoring results were reported in the General Surveillance monitoring group PMR and the Technical Area 16 (TA-16) 260 monitoring group PMR. Base flow results in the TA-16 260 monitoring group from MY 2019 and 2020 were reported in the 2020 TA-16 260 PMR. Starting in MY 2021, all base flow results will be included in the base flow PMR. The enclosed base flow PMR presents monitoring results for four periodic monitoring events conducted during the fourth quarter of MY 2019 and the first, second, and third quarters of MY 2020.

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

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

Sincerely,

Arturo Q. Duran

Digitally signed by Arturo Q. Duran
Date: 2020.11.24 11:14:18 -07'00'

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

Enclosures: Two hard copies with electronic files:

1. 2020 Annual Periodic Monitoring Report for the General Surveillance Monitoring Group: Los Alamos and Pueblo Canyon, Mortandad and Sandia Canyon, Water Canyon/Cañon de Valle, White Rock Canyon, and Pajarito Canyon Watersheds (EM2020-0559)
2. 2020 Annual Periodic Monitoring Report for Base Flow Sampling: Los Alamos Canyon, Sandia Canyon, White Rock Canyon, and Pajarito Canyon Watersheds (EM2020-0584)

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November 2020
EM2020-0584

2020 Annual Periodic Monitoring Report for Base Flow Sampling: Los Alamos Canyon, Sandia Canyon, White Rock Canyon, and Pajarito Canyon Watersheds

N3B Los Alamos

EM2020-0584

2020 Annual Periodic Monitoring Report for Base Flow Sampling: Los Alamos Canyon, Sandia Canyon, White Rock Canyon, and Pajarito Canyon Watersheds

November 2020

Responsible program director:

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Printed Name	Signature	Title	Organization	Date

Responsible N3B representative:

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Arturo Q. Duran	arturo q duran Digitally signed by arturo q duran Date: 2020.11.30 16:18:05 -07'00'	Compliance and Permitting Manager	Office of Quality and Regulatory Compliance	
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

This annual periodic monitoring report (PMR) presents results for samples collected from base flow locations as part of the monitoring conducted by the Newport News Nuclear BWXT-Los Alamos, LLC (N3B) groundwater monitoring program that have not been previously reported. All monitoring work reported in this PMR was conducted pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan for the 2019 Monitoring Year, October 2018–September 2019" (2019 IFGMP) and the "Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019–September 2020," (2020 IFGMP) both prepared in accordance with the Compliance Order on Consent.

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

This is the first annual base flow sampling PMR. Previously, base flow monitoring results were reported in the General Surveillance monitoring group PMR and the Technical Area 16 (TA-16) 260 PMR. Base flow results in the TA-16 260 monitoring group from monitoring year (MY) 2019 and 2020 were reported in the 2020 TA-16 260 PMR. Starting in MY 2021, all base flow results will be included in the base flow PMR. This PMR presents monitoring results for four periodic monitoring events (PMEs) conducted during the fourth quarter of MY 2019 and the first, second, and third quarters of MY 2020.

In addition to results from the current 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 2019 and 2020 IFGMPs: metals; volatile organic compounds; semivolatile organic compounds; low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances; polychlorinated biphenyls; high explosives; dioxins and furans; radionuclides (including low-level tritium); and general inorganic chemicals (including perchlorate). The same samples were also analyzed for the following field parameters: dissolved oxygen (DO), flow rate (in gallons per minute), pH, specific conductance, temperature, and turbidity.

In this PMR, two analytical results were detected above applicable screening values.

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Acronyms and Abbreviations

AOC	area of concern
asl	above sea level
COC	chain of custody
Consent Order	Compliance Order on Consent
CV	casing volume
DO	dissolved oxygen
DOE	Department of Energy (U.S.)
EIM	Environmental Information Management (database)
EPA	Environmental Protection Agency (U.S.)
EQB	equipment blank
F	filtered
FB	field blank
FD	field duplicate
FTB	field trip blank
gpm	gallons per minute
HE	high explosives
ID	identification
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDA	material disposal area
MDL	method detection limit
MY	monitoring year
N	no (best value flag code)
N3B	Newport News Nuclear BWXT-Los Alamos, LLC
NA	not analyzed
NC	not collected
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NM HH OO	NMWQCC human-health organism only, surface water quality standard
NMWQCC	New Mexico Water Quality Control Commission
PEB	performance evaluation blank
PED	portable electronic device

PFAS	polyfluoroalkyl substances
PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
S	screen
SOP	standard operating procedure
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TA	technical area
TDS	total dissolved solids
UF	unfiltered
USFS	U.S. Forest Service
VOC	volatile organic compound
WCSF	waste characterization strategy form

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
Sandia Canyon	2019	4	07/26/2019	07/26/2019
Los Alamos Canyon	2020	1	Not sampled[a]	—[b]
		3	Not sampled[c]	—
White Rock Canyon	2020	1	10/01/2019	10/09/2019
Pajarito Canyon	2020	3	Not sampled[c]	—

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

[b] — = Not applicable.

[c] Quarter 3 samples were not collected because of the stop-work order issued by EM-LA in response to the COVID-19 pandemic.

This is the first annual base flow sampling PMR, which will hereafter be submitted to the New Mexico Environment Department (NMED) every November. Historically, base flow results were reported under the General Surveillance monitoring group PMR and Technical Area 16 (TA-16) 260 PMR. Base flow results in the TA-16 260 monitoring group from monitoring year (MY) 2019 and 2020 were reported in the MY 2020 TA-16 260 PMR. Starting in MY 2021, the TA-16 260 base flow locations will be included in the base flow sampling PMR. This PMR includes results from the base flow sampling PMEs performed through the third quarter of MY 2020. The MY 2020 Quarter 3 Los Alamos Canyon, Sandia Canyon, and Pajarito Canyon PMEs were canceled due to a partial stop-work order issued by the U.S. Department of Energy Environmental Management Los Alamos Field Office (EM-LA) in response to the COVID-19 pandemic. During this time, Newport News Nuclear BWXT-Los Alamos, LLC (N3B) operations at Los Alamos National Laboratory (LANL or the Laboratory) were restricted to those considered “essential mission critical activities” (EMCA) starting on March 24, 2020. Once the phased resumption of operations began at LANL in Quarter 4 of MY 2020, an attempt was made to perform the sampling that had been planned for MY 2020 Quarter 3. However, the sites were dry at that time and will be reported as a deviation in the 2021 base flow sampling PMR.

In addition to results from the four PMEs listed in the table above, results are reported for the previous four 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 2019 Monitoring Year, October 2018–September 2019” (2019 IFGMP) (N3B 2018, 700000) and the “Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019–September 2020” (2020 IFGMP) (N3B 2019, 700451), both prepared in accordance with the 2016 Compliance Order on Consent (Consent Order).

Section IX of the Consent Order describes the role of data screening in the corrective action process. Surface water screening levels are used to evaluate the *potential* for unacceptable risk due to 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 New Mexico Administrative Code [NMAC]) are used as screening levels for surface waters.

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 2019 IFGMP (N3B 2018, 700000) and 2020 IFGMP (N3B 2019, 700451) 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. 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 LANL as expressed at the springs in White Rock Canyon.

This annual PMR presents base flow sampling results for the Los Alamos Canyon, Sandia 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.

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 in this report are located within the Los Alamos Canyon, Sandia Canyon, White Rock Canyon, and Pajarito Canyon watersheds. Monitoring locations include 10 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 2019 (N3B 2018, 700867) and 2020 IFGMPs: metals; volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs); low-level 1,4-dioxane; low-level nitrosamines; per- and polyfluoroalkyl substances (PFAS); polychlorinated biphenyls (PCBs); high explosives; dioxins and furans; radionuclides (including low-level tritium); and general inorganic chemicals

(including perchlorate). The same samples were also analyzed for field parameters, including DO, flow rate (in gallons per minute), pH, specific conductance, temperature, and turbidity.

Table 2.0-1 provides the location name and watershed; the monitoring year 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, White Rock Canyon, and Pajarito Canyon.

2.1 PME Deviations from Planned Scope

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

The MY 2020 Quarter 2 Water Canyon/Cañon de Valle PME base flow results should have been included in the 2020 TA-16 260 Monitoring Group PMR. However, collection of these samples was canceled because groundwater field crews were unable to access Weapons Facilities Operations security areas pending approval of Form 1897 for on-site authorization to use necessary controlled portable electronic devices to complete sampling. These samples were collected in MY 2020 Quarter 4 and results will be reported in the 2021 base flow sampling PMR.

The MY 2020 Quarter 3 Los Alamos Canyon and Pajarito Canyon PMEs were canceled due to a partial stop-work order issued by EM-LA in response to the COVID-19 pandemic. During this time, N3B's operations at LANL were limited to EMCA starting on March 24, 2020. Once the phased resumption of operations began at LANL in Quarter 4 of MY 2020, an attempt was made to perform the sampling that had been planned for MY 2020 Quarter 3. However, the sites were dry at that time and will be reported as a deviation in the 2021 base flow sampling 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.

Section IX of the Consent Order describes the role of data screening in the corrective action process. Surface water screening levels are used to evaluate the *potential* for unacceptable risk due to 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 surface waters.

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 Table 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 NMAC 20.6.4.900, 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 NMAC 20.6.4.900.I. 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.

4.0 MONITORING RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the data reported in this PMR are documented in the 2019 IFGMP (N3B 2018, 700000) and 2020 IFGMP (N3B 2019, 700451).

4.2 Comparison of Target Analytes and Method Detection Limits

Several analytes have a range of method detection limits (MDLs). For some of these analytes, the MDL is much lower than for earlier analyses. Table 4.2-1 presents a list of target analytes with analytical 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 tables for reference.

4.3 Field Parameter Results

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

4.4 Groundwater Elevations

There are no groundwater elevation measurements associated with base flow locations.

5.0 ANALYTICAL DATA RESULTS

5.1 Methods and Procedures

All methods and procedures used to perform the analyses for the data reported in this PMR are documented in the 2019 IFGMP (N3B 2018, 700000) and 2020 IFGMP (N3B 2019, 700451).

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

- “WCSF – Interim Facility-Wide Groundwater Monitoring” (N3B 2018, 700867)
- “Spring and Surface Water Sampling” (N3B-SOP-ER-3002)
- “Groundwater Sampling” (IWD-TPMC-LA-16-049)
- “Locus Mobile Application for Groundwater Data Collection” (N3B-SOP-ER-20324)
- “Groundwater Sampling and Sample Preservation” (N3B-ER-IWD-20088)
- “Validation of Volatile Organic Compound Analytical Data” (N3B-ER-AP-20309)
- “Validation of Semivolatile Organic Compound Analytical Data” (N3B-ER-AP-20310)

- "Validation of LC-MS/MS High Explosive Analytical Data" (N3B-ER-AP-20316)
- "Validation of Organochlorine Pesticide and Polychlorinated Biphenyl Analytical Data" (N3B-ER-AP-20311)
- "Validation of Metals and Cyanide Analytical Data" (N3B-ER-AP-20313)
- "Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data" (N3B-ER-AP-20314)
- "Validation of General Chemistry Analytical Data" (N3B-ER-AP-20315)
- "Validation of Dioxin and Furan Analytical Data" (N3B-ER-AP-20317)
- "Validation of LC-MS/MS Perchlorate Analytical Data" (N3B-ER-AP-20320)

Samples to be collected were planned using 2019 IFGMP and 2020 IFGMP Tables 1.7-2, 1.8-1, 1.9-1, 1.11-1, and 2.4-1 through 8.3-1 (N3B 2018, 700000; N3B 2019, 700451). Sample plans included additional field collection, transportation, and field QA/QC criteria as identified in the N3B and project data quality objectives as well as in the Consent Order. A sample collection log was created and printed to serve as a chain-of-custody (COC) document and an analytical request form.

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

FBs are used to monitor for contamination during sampling. They can also identify contamination from transportation and analysis in associated samples. FBs are collected at a frequency of 10% of all samples collected in a 21-day sampling campaign. FBs are collected by filling sample containers in the field with deionized water to check for sources of sample contamination in the field. FBs are analyzed for the same analytical suites for which primary samples collected in the same trip are analyzed, except in the case of high explosive (HE) compounds.

EQBs are used to detect any contamination resulting from contaminated equipment or poor decontamination techniques. EQBs can also be used identify contamination from transportation and analysis in associated samples. EQBs are collected before a well is sampled with nondedicated equipment (pump). EQBs are prepared by passing deionized water through unused or decontaminated sampling equipment. EQBs are analyzed for organic constituents and PFAS sampled for in the associated well, with the exception of HE compounds, which are not analyzed in EQBs.

PEBs are deionized water blanks submitted as regular samples, without any indication they are QC samples. PEBs are used to evaluate contamination from the deionized water used to create the FBs or EQBs (if needed), from sample shipment, or from the analytical laboratory. One PEB is collected per 21-day sampling campaign. PEBs are prepared by collecting reagent-grade deionized water in a sample bottle at the end of the sampling trip and then adding the PEB to the samples for shipment to the laboratory.

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

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

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

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

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

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

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

5.2 Analytical Data

Appendix C presents the analytical results for the PMEs reported in this PMR and from the previous four sampling events, if available. The data were reviewed for conformance 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, and FB data are not included in the data set.
- ❖ All other results are reported at all locations.

- For radionuclide data:
  - ❖ Constituents analyzed and reported for the gamma spectroscopy suite include cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22.
  - ❖ Americium-241 and uranium-235 data from chemical separation alpha spectroscopy are reported; gamma spectroscopy results for these analytes are not presented.
  - ❖ All other radionuclide results are reported at all locations.

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

The analytical results for radionuclides and radioactivity are voluntarily compared with the DOE biota concentration guides for surface water but are not reported in Table 5.2-1 or Appendix D.

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

Table 5.2-1 provides analytical results for specific analytical suites detected above screening values when applicable. Multiple detections are included except for FD exceedances. For example, if aluminum were detected above its screening value in both a primary sample and a field duplicate, only the primary sample result would be recorded. If aluminum were detected above its screening value in the field duplicate, but not the primary sample, then the field duplicate would be recorded.

Graphs in Appendix E display analyte concentration histories for the base flow locations where the analyte was detected above the screening value at least once in the expanded data set that includes data from this PME as well as data from the four previous PMEs.

Appendix E may include instances where the analyte data are evaluated using a higher screening value than that used to evaluate previously reported analyte data. For example, the current screening value of 13.8 µg/L for perchlorate is greater than the former screening value of 4 µg/L, which was used to evaluate previously reported analyte data.

If there are exceedances of the current screening value by the data reported in this PMR, the graphs depict the current analyte screening value. If there are no exceedances of current values, but at least one exceedance of the former (lower) screening value by the previously reported analytical data, the graphs depict the former lower screening value. Magenta lines indicate the PMR reporting period. Results with a best-value flag of N are not included in Appendix E.

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

5.2.1 Surface Water (Base Flow)

Table 5.2-1 shows that two locations reported in this PMR were above applicable screening values. A total of two screening value exceedances were detected for two analytes, copper (filtered and unfiltered) and aluminum (unfiltered).

Base Flow

Mortandad at Rio Grande

For the October 1, 2019, sampling event at Mortandad at Rio Grande, filtered copper was detected at 13.2 µg/L, which is above the 9.7 µg/L NMAC aquatic life chronic standard (based on a 110-mg/L hardness).

The previous range of filtered copper concentrations detected at Mortandad at Rio Grande from September 2009 to October 2017 was 11.4 µg/L to 14.5 µg/L.

Rio Grande at Otowi Bridge

For the October 7, 2019, sampling event at Rio Grande at Otowi Bridge, unfiltered aluminum was detected at 2740.0 µg/L, which is above the 1561.5 µg/L NMAC Aquatic Life Chronic Standard (based on a 110-mg/L hardness).

The previous range of unfiltered aluminum from December, 2008, to October, 2018, is non-detected to 11,100 µg/L.

5.2.2 Groundwater

There are no groundwater locations included in the base flow sampling PMR.

5.3 Sampling Program Modifications

No modifications to the currently planned periodic monitoring of the base flows are proposed at this time.

6.0 SUMMARY AND INTERPRETATIONS

6.1 Monitoring Results

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

6.2 Analytical Results

6.2.1 Surface Water

A total of two analytical results reported in this PMR were above applicable screening values (Table 5.2-1). For results above screening values, the types of contaminants detected and their concentrations were consistent with data reported in previous PMRs for this monitoring group.

6.3 Data Gaps

Table 2.1-1 summarizes the 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. This information is also included in text citations. ERIDs were assigned by the Laboratory's Associate Directorate for Environmental Management (IDs through 599999); ESHIDs were assigned by the Laboratory's Associate Directorate for Environment, Safety, and Health (IDs 600000 through 699999); and EMIDs are assigned by N3B (IDs 700000 and above). IDs are used to locate documents in N3B's Records Management System and in the Master Reference Set. The NMED Hazardous Waste Bureau and N3B maintain copies of the Master Reference Set. The set ensures that NMED has the references to review documents. The set is updated when new references are cited in documents.

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), March 8, 2018. "Waste Characterizaion Strategy Form (WCSF) for Interim Facility-Wide Groundwater Monitoring." Newport New Nuclear BWXT-Los Alamos, LLC, document N3B-EP2016-0117, Los Alamos, New Mexico. (N3B 2018, 700867)

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

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), May 2018. "Interim Facility-Wide Groundwater Monitoring Plan for the 2019 Monitoring Year, October 2018–September 2019," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2018-0004, Los Alamos, New Mexico. (N3B 2018, 700000)

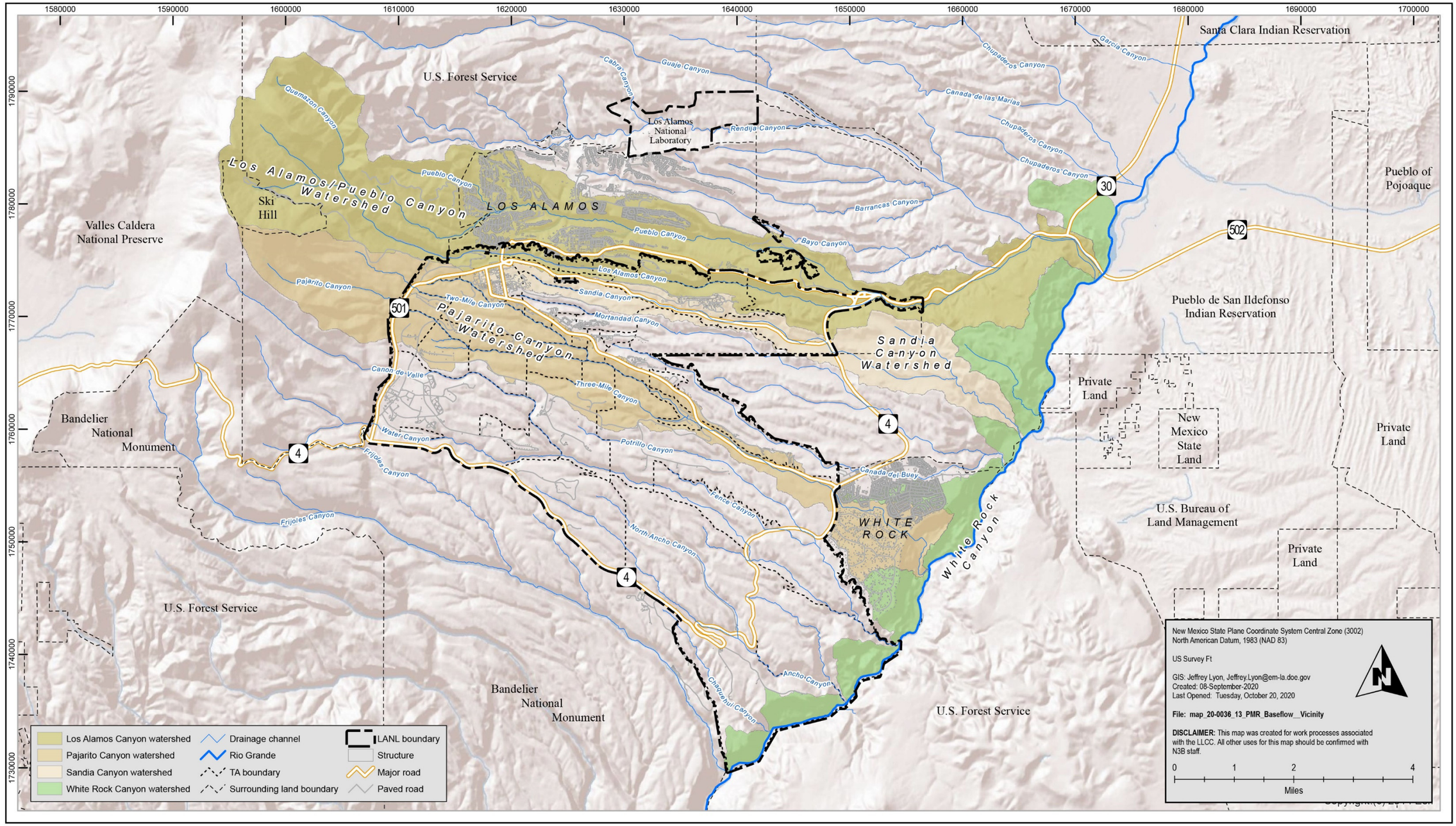

Figure 1.1-1 Base flow sampling PMR vicinity map

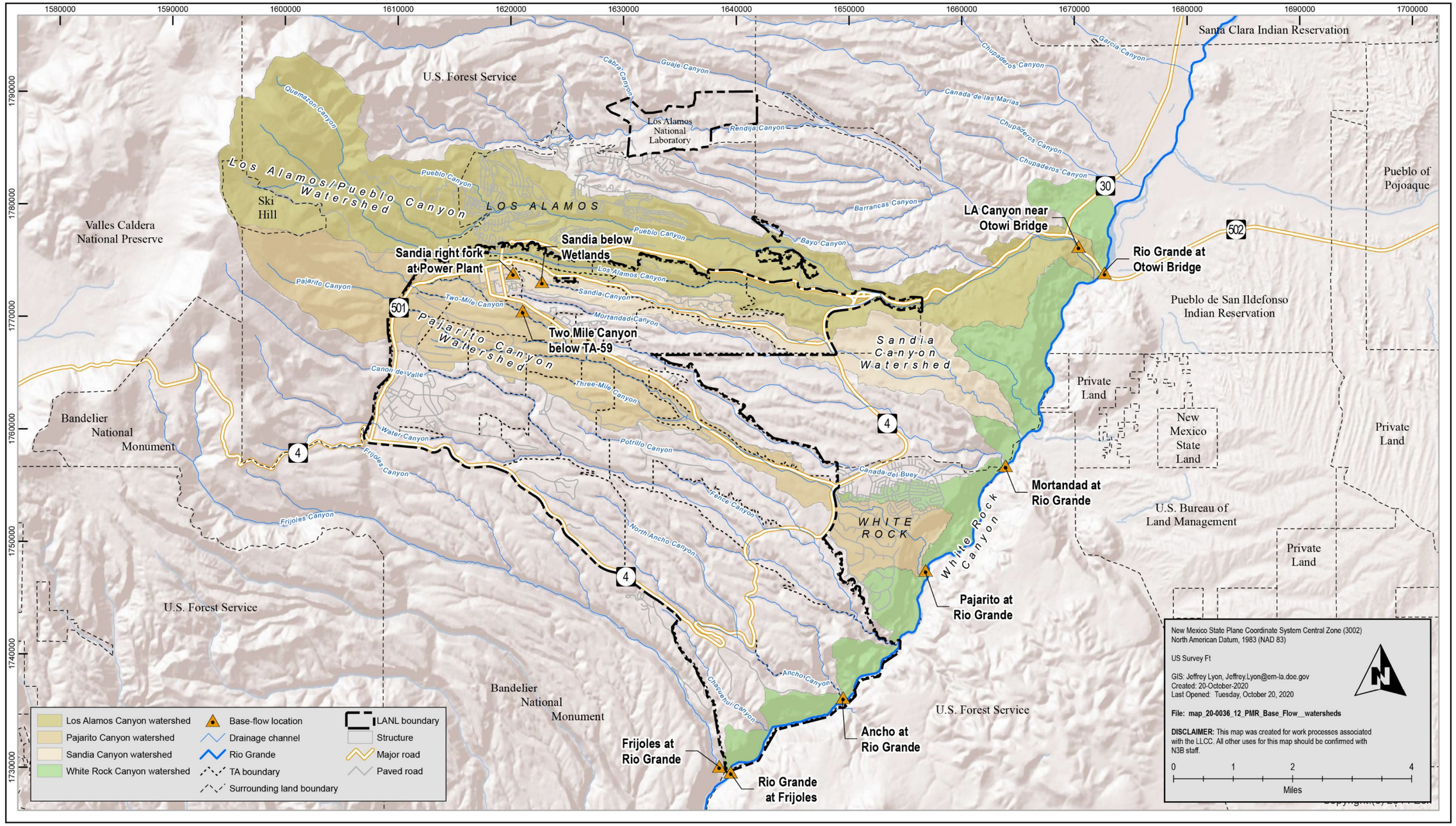

Figure 1.1-2 Base flow sampling PMR locations

Table 2.0-1
Base Flow Sampling Locations and General Information

Location Name	Watershed	Sampling Event		Sample Collection Date	Flow Rate (gpm[a])	Notes
		MY	Quarter			
Sandia Right Fork at Power Plant	Sandia	2019	4	07/26/2019	NC[b]	Just rained and currently high flow rate.
Sandia Below Wetlands	Sandia			07/26/2019	NC	Flow rate increased while sampling, overtopping flume completely.
LA Canyon near Otowi Bridge	Los Alamos	2020	1	Canceled, site was dry	—[c]	Base flow was dry.
Ancho at Rio Grande	White Rock			Canceled, site was dry	—	Base flow was dry.
Frijoles at Rio Grande	White Rock			Canceled, site was dry	—	Base flow was dry.
Mortandad at Rio Grande	White Rock			10/01/2019	84.4	None
Pajarito at Rio Grande	White Rock			10/01/2019	910.4	None
Rio Grande at Frijoles	White Rock			10/02/2019	330,339.0	None
Rio Grande at Otowi Bridge	White Rock			10/07/2019	453,318.0	None
LA Canyon near Otowi Bridge	Los Alamos	2020	3	Canceled, COVID	—	None
Two Mile Canyon	Pajarito			Canceled, COVID	—	None

[a] gpm = Gallons per minute.

[b] NC = Not calculated.

[c] — = Not applicable.

Table 2.1-1
Base Flow Sampling PME Deviations

Monitoring Location	Watershed	Sampling Event		Deviation	Cause	Comment
		MY	Quarter			
LA Canyon near Otowi Bridge	Los Alamos	2020	1	Canceled. No field or analytical data will be available for this site.	Base flow was dry.	None
Ancho at Rio Grande	White Rock			Canceled. No field or analytical data will be available for this site.	Base flow was dry.	None
Frijoles at Rio Grande	White Rock			Canceled. No field or analytical data will be available for this site.	Base flow was dry.	None
LA Canyon near Otowi Bridge	Los Alamos	2020	3	No field or analytical data will be available for MY 2020 Quarter 3	Location canceled because of the COVID-19 pandemic.	None
Two Mile Canyon	Pajarito Canyon			No field or analytical data will be available for MY 2020 Quarter 3	Location canceled because of the COVID-19 pandemic.	None
All sites where SVOCs are analyzed	All locations	2019 and 2020	4 and 1	The 2019 IFGMP and 2020 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze methylphenol[4-], CAS[a] 106-44-5 as part of the SVOC analytical suite by the analytical method SW-846:8270D. Methylphenol[3-,4-] CAS 65794-96-9 is analyzed instead as part of the SVOC analytical suite by the analytical method SW-846:8270D.	Methylphenol[3-], m-cresol, CAS 108-39-4, and methylphenol[4-], p-cresol CAS 106-44-5 are not independently quantified using the SW-846 analytical method 8270D. The two compounds coelute and methylphenol[3-,4-], m,p-cresols CAS 65794-96-9 are analyzed by SW-846:8270D. The result for each analyte is a combined concentration. GELC's[b] certificate of analysis identifies m,p-cresols CAS 65794-96-9 as the parameter analyzed.	None
All sites where SVOCs are analyzed	All locations			The 2019 IFGMP and 2020 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze azobenzene, CAS 103-33-3 as part of the SVOC analytical suite by the analytical method SW-846:8270D. Instead, diphenylhydrazine[1,2-], CAS 122-66-7 is analyzed as part of the SVOC analytical suite by the analytical method SW846:8270D.	Diphenylhydrazine[1,2-] CAS 122-66-7 decomposes and cannot be separated from azobenzene CAS 103-33-3 using the SW846 analytical method 8270D. The azobenzene CAS 103-33-3 result reported is a combined concentration. GELC's certificate of analysis identifies diphenylhydrazine[1,2-] CAS 122-66-7 as the parameter analyzed.	None

Table 2.1-1 (continued)

Monitoring Location	Watershed	Sampling Event		Deviation	Cause	Comment
		MY	Quarter			
All sites where SVOCs are analyzed	All locations	2019 and 2020	4 and 1	The 2019 IFGMP Table B-4.1-1 (N3B 2019, 700451) specifies a requirement to analyze both nitrosodiphenylamine[N-] CAS 86-30-6 and diphenylamine CAS 122-39-4 as part of the SVOC analytical suite by the analytical method SW-846:8270. Instead diphenylamine CAS 122-39-4 is analyzed as part of the SVOC analytical suite by the analytical method SW-846:8270	Nitrosodiphenylamine[N-] CAS 86-30-6 decomposes and cannot be separated from diphenylamine CAS 122-39-4 using the analytical method 8270D.The diphenylamine CAS 122-39-4 result reported is a combined concentration. GELC's certificate of analysis identifies diphenylamine CAS 122-39-4 as the parameter analyzed.	None

[a] CAS = Chemical Abstract System.

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

Table 3.0-1
Sources for Standards and Screening Levels for Surface Water 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	Mortandad at Rio Grande	Pajarito at Rio Grande	Rio Grande at Frijoles	Rio Grande at Otowi Bridge
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
Wildlife Habitat Standard	20 6.4.900.G NMAC	X	X	X	X	X	X	X	X	X	X
Aquatic Life Standards Acute	20 6.4.900.H NMAC	X	X	X	X	X	X	X	X	X	X
Aquatic Life Standards Acute (hardness based)	20.6.4.900.I NMAC	X[c,d]	X	X	X	X	X	X	X	X	X

Table 3.0-1 (continued)

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	Mortandad at Rio Grande	Pajarito at Rio Grande	Rio Grande at Frijoles	Rio Grande at Otowi Bridge
Aquatic Life Standards Chronic	20 6.4.900.H NMAC	X	X	X	—	—	X	X	X	X	X
Aquatic Life Standards Chronic (hardness based)	20 6.4.900.J NMAC	X[c,d]	X	X	—	—	X	X	X	X	X
Aquatic Life Human Health Standard	20 6.4.900.H NMAC	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	—	—	—	—	—
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 chromium(VI) 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	Hardness (µg/L as $CaCO_3$)
Los Alamos	Los Alamos Canyon near Otowi Bridge	Intermittent[a]	—[b]
Sandia	Sandia Right Fork at Power Plant	Perennial	80
Sandia	Sandia below Wetlands	Perennial	70
Pajarito	Two Mile Canyon Below TA-59	Ephemeral	—
White Rock	Ancho at Rio Grande	Ephemeral	—
White Rock	Frijoles at Rio Grande	Perennial	—
White Rock	Mortandad at Rio Grande	Intermittent[a]	110[c]
White Rock	Pajarito at Rio Grande	Ephemeral	70
White Rock	Rio Grande at Frijoles	Perennial	100[c]
White Rock	Rio Grande at Otowi Bridge	Perennial[a]	110

Note: NMAC 206.4 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] Tribal designated uses are assigned separately for each water body monitored. These are assigned by the Pueblo and utilize the parameters described in NMAC 20.6.4.

[b] No hardness value available because site was dry.

[c] Hardness values were calculated using calcium and magnesium.

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
Polychlorinated Biphenyls						
Aroclor-1016	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic[a]	GELC[b]
Aroclor-1016	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO[c]	GELC
Aroclor-1016	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1221	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1221	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO	GELC
Aroclor-1221	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1232	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1232	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO	GELC
Aroclor-1232	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1242	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1242	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO	GELC
Aroclor-1242	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1248	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1248	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO	GELC
Aroclor-1248	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1254	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1254	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO	GELC
Aroclor-1254	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1260	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1260	0.0367	SW-846:8082A	0.00064	µg/L	NM Human Health OO	GELC
Aroclor-1260	0.0377	SW-846:8082A	0.014	µg/L	NM Aqu Chronic	GELC
Aroclor-1262	0.0351–0.037	SW-846:8082	0.014	µg/L	NM Aqu Chronic	GELC

Table 4.2-1 (continued)

Metals						
Cadmium	0.3	SW-846:6020	0.25	µg/L	NM Aqu Chronic	GELC
Thallium	0.6	SW-846:6020B	0.47	µg/L	NM Human Health OO	GELC
Semivolatile Organic Compounds						
Benzidine	4.39	SW-846:8270D	0.002	µg/L	NM Human Health OO	GELC
Benzo(a)anthracene	0.338–0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Benzo(a)pyrene	0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Benzo(b)fluoranthene	0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Benzo(k)fluoranthene	0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Chrysene	0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Dibenz(a,h)anthracene	0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Dichlorobenzidine[3,3'-]	3.38	SW-846:8270D	0.28	µg/L	NM Human Health OO	GELC
Hexachlorobenzene	3.38	SW-846:8270D	0.0029	µg/L	NM Human Health OO	GELC
Indeno(1,2,3-cd)pyrene	0.338	SW-846:8270D	0.18	µg/L	NM Human Health OO	GELC
Dioxins and Furans						
Tetrachlorodibenzodioxin[2,3,7,8-]	0.00000559	SW-846:8290A	0.000000051	µg/L	NM Human Health OO	CFA[d]

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] NM Aqu Chronic = New Mexico Water Quality Control Commission aquatic life standards for chronic exposure.

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

[c] NM Human Health OO = Human health organism only, New Mexico surface-water standards.

[d] 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							
Base Flow										
Mortandad at Rio Grande	White Rock	2020	1	10/01/2019	Copper	F[a]	13.2	µg/L	9.7	NM Aqu Chronic[b] (based on 110 mg/L hardness)
Rio Grande at Otowi Bridge	White Rock	2020	1	10/07/2019	Aluminum	UF[c]	2740.0	µg/L	1561.5	NM Aqu Chronic (based on 110 mg/L hardness)

[a] F = Filtered.

[b] NM Aqu Chronic = New Mexico Water Quality Control Commission aquatic life standards for chronic exposure.

[c] UF = Unfiltered.

Appendix A

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

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
60783	Pajarito at Rio Grande	0.0	09/24/2012	WS[a]	Dissolved Oxygen	7.60	mg/L	CAWR-12-23431
81234	Pajarito at Rio Grande	0.0	09/29/2014	WS	Dissolved Oxygen	7.36	mg/L	CAWR-14-86890
194824	Pajarito at Rio Grande	0.0	10/12/2016	WS	Dissolved Oxygen	7.36	mg/L	CAWR-16-126319
249649	Pajarito at Rio Grande	0.0	10/03/2018	WS	Dissolved Oxygen	6.93	mg/L	CAWR-19-161967
295963	Pajarito at Rio Grande	0.0	10/01/2019	WS	Dissolved Oxygen	7.13	mg/L	CAWR-20-186462
—[b]	Pajarito at Rio Grande	0.0	09/24/2012	WS	Flow (in gpm[c])	1077.0	gpm	CAWR-12-23431
81235	Pajarito at Rio Grande	0.0	09/29/2014	WS	Flow (in gpm)	619.3	gpm	CAWR-14-86890
194825	Pajarito at Rio Grande	0.0	10/12/2016	WS	Flow (in gpm)	641.8	gpm	CAWR-16-126319
249648	Pajarito at Rio Grande	0.0	10/03/2018	WS	Flow (in gpm)	713.6	gpm	CAWR-19-161967
295962	Pajarito at Rio Grande	0.0	10/01/2019	WS	Flow (in gpm)	910.4	gpm	CAWR-20-186462
60784	Pajarito at Rio Grande	0.0	09/24/2012	WS	pH	8.3	SU[d]	CAWR-12-23431
81236	Pajarito at Rio Grande	0.0	09/29/2014	WS	pH	8.3	SU	CAWR-14-86890
194826	Pajarito at Rio Grande	0.0	10/12/2016	WS	pH	7.4	SU	CAWR-16-126319
249653	Pajarito at Rio Grande	0.0	10/03/2018	WS	pH	7.8	SU	CAWR-19-161967
295964	Pajarito at Rio Grande	0.0	10/01/2019	WS	pH	8.2	SU	CAWR-20-186462
60785	Pajarito at Rio Grande	0.0	09/24/2012	WS	Specific Conductance	202.0	µS/cm	CAWR-12-23431
81237	Pajarito at Rio Grande	0.0	09/29/2014	WS	Specific Conductance	207.0	µS/cm	CAWR-14-86890
194827	Pajarito at Rio Grande	0.0	10/12/2016	WS	Specific Conductance	203.0	µS/cm	CAWR-16-126319
249650	Pajarito at Rio Grande	0.0	10/03/2018	WS	Specific Conductance	204.0	µS/cm	CAWR-19-161967
295965	Pajarito at Rio Grande	0.0	10/01/2019	WS	Specific Conductance	202.4	µS/cm	CAWR-20-186462
60786	Pajarito at Rio Grande	0.0	09/24/2012	WS	Temperature	19.4	deg C	CAWR-12-23431
81238	Pajarito at Rio Grande	0.0	09/29/2014	WS	Temperature	20.7	deg C	CAWR-14-86890
194828	Pajarito at Rio Grande	0.0	10/12/2016	WS	Temperature	20.2	deg C	CAWR-16-126319
249651	Pajarito at Rio Grande	0.0	10/03/2018	WS	Temperature	21.6	deg C	CAWR-19-161967
295966	Pajarito at Rio Grande	0.0	10/01/2019	WS	Temperature	20.8	deg C	CAWR-20-186462
60787	Pajarito at Rio Grande	0.0	09/24/2012	WS	Turbidity	0.6	NTU[e]	CAWR-12-23431
81239	Pajarito at Rio Grande	0.0	09/29/2014	WS	Turbidity	7.5	NTU	CAWR-14-86890

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
194829	Pajarito at Rio Grande	0.0	10/12/2016	WS	Turbidity	1.1	NTU	CAWR-16-126319
249652	Pajarito at Rio Grande	0.0	10/03/2018	WS	Turbidity	0.1	NTU	CAWR-19-161967
295967	Pajarito at Rio Grande	0.0	10/01/2019	WS	Turbidity	0.4	NTU	CAWR-20-186462
60748	Rio Grande at Frijoles	0.0	09/26/2012	WS	Dissolved Oxygen	8.05	mg/L	CAWR-12-23432
81342	Rio Grande at Frijoles	0.0	10/01/2014	WS	Dissolved Oxygen	8.36	mg/L	CAWR-14-86938
194854	Rio Grande at Frijoles	0.0	10/13/2016	WS	Dissolved Oxygen	8.48	mg/L	CAWR-16-126320
249754	Rio Grande at Frijoles	0.0	10/04/2018	WS	Dissolved Oxygen	7.83	mg/L	CAWR-19-162014
314760	Rio Grande at Frijoles	0.0	10/02/2019	WS	Dissolved Oxygen	8.34	mg/L	CAWR-20-186467
—	Rio Grande at Frijoles	0.0	09/26/2012	WS	Flow (in gpm)	256731.0	gpm	CAWR-12-23432
81343	Rio Grande at Frijoles	0.0	10/01/2014	WS	Flow (in gpm)	269298.0	gpm	CAWR-14-86938
194855	Rio Grande at Frijoles	0.0	10/13/2016	WS	Flow (in gpm)	224416.0	gpm	CAWR-16-126320
314759	Rio Grande at Frijoles	0.0	10/02/2019	WS	Flow (in gpm)	330339.0	gpm	CAWR-20-186467
60749	Rio Grande at Frijoles	0.0	09/26/2012	WS	pH	8.2	SU	CAWR-12-23432
81344	Rio Grande at Frijoles	0.0	10/01/2014	WS	pH	8.1	SU	CAWR-14-86938
194856	Rio Grande at Frijoles	0.0	10/13/2016	WS	pH	8.2	SU	CAWR-16-126320
249755	Rio Grande at Frijoles	0.0	10/04/2018	WS	pH	8.4	SU	CAWR-19-162014
314761	Rio Grande at Frijoles	0.0	10/02/2019	WS	pH	8.3	SU	CAWR-20-186467
60750	Rio Grande at Frijoles	0.0	09/26/2012	WS	Specific Conductance	323.0	µS/cm	CAWR-12-23432
81345	Rio Grande at Frijoles	0.0	10/01/2014	WS	Specific Conductance	335.0	µS/cm	CAWR-14-86938
194857	Rio Grande at Frijoles	0.0	10/13/2016	WS	Specific Conductance	354.1	µS/cm	CAWR-16-126320
249756	Rio Grande at Frijoles	0.0	10/04/2018	WS	Specific Conductance	333.2	µS/cm	CAWR-19-162014
314762	Rio Grande at Frijoles	0.0	10/02/2019	WS	Specific Conductance	270.0	µS/cm	CAWR-20-186467
60751	Rio Grande at Frijoles	0.0	09/26/2012	WS	Temperature	15.2	deg C	CAWR-12-23432
81346	Rio Grande at Frijoles	0.0	10/01/2014	WS	Temperature	16.6	deg C	CAWR-14-86938
194858	Rio Grande at Frijoles	0.0	10/13/2016	WS	Temperature	14.7	deg C	CAWR-16-126320
249757	Rio Grande at Frijoles	0.0	10/04/2018	WS	Temperature	19.5	deg C	CAWR-19-162014
314763	Rio Grande at Frijoles	0.0	10/02/2019	WS	Temperature	18.5	deg C	CAWR-20-186467

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
60752	Rio Grande at Frijoles	0.0	09/26/2012	WS	Turbidity	175.0	NTU	CAWR-12-23432
81347	Rio Grande at Frijoles	0.0	10/01/2014	WS	Turbidity	138.2	NTU	CAWR-14-86938
194859	Rio Grande at Frijoles	0.0	10/13/2016	WS	Turbidity	33.1	NTU	CAWR-16-126320
249758	Rio Grande at Frijoles	0.0	10/04/2018	WS	Turbidity	67.2	NTU	CAWR-19-162014
314758	Rio Grande at Frijoles	0.0	10/02/2019	WS	Turbidity	25.3	NTU	CAWR-20-186467
169723	Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	Dissolved Oxygen	8.56	mg/L	CAWR-16-104421
195008	Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	Dissolved Oxygen	9.23	mg/L	CAWR-16-126321
208909	Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	Dissolved Oxygen	8.11	mg/L	CAWR-18-147340
249799	Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	Dissolved Oxygen	9.10	mg/L	CAWR-19-162017
296000	Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	Dissolved Oxygen	8.52	mg/L	CAWR-20-186469
—	Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	Flow (in gpm)	201973.5	gpm	CAWR-16-104421
195009	Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	Flow (in gpm)	198383.0	gpm	CAWR-16-126321
208910	Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	Flow (in gpm)	601432.0	gpm	CAWR-18-147340
249798	Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	Flow (in gpm)	251345.0	gpm	CAWR-19-162017
—	Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	Flow (in gpm)	453318.0	gpm	CAWR-20-186469
169724	Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	pH	8.0	SU	CAWR-16-104421
195010	Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	pH	8.2	SU	CAWR-16-126321
208914	Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	pH	8.1	SU	CAWR-18-147340
249800	Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	pH	8.2	SU	CAWR-19-162017
296001	Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	pH	8.0	SU	CAWR-20-186469
169725	Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	Specific Conductance	350.0	µS/cm	CAWR-16-104421
195011	Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	Specific Conductance	358.0	µS/cm	CAWR-16-126321
208911	Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	Specific Conductance	273.9	µS/cm	CAWR-18-147340
249801	Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	Specific Conductance	342.0	µS/cm	CAWR-19-162017
295997	Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	Specific Conductance	296.0	µS/cm	CAWR-20-186469
169726	Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	Temperature	17.7	deg C	CAWR-16-104421
195012	Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	Temperature	11.6	deg C	CAWR-16-126321

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
208912	Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	Temperature	16.7	deg C	CAWR-18-147340
249802	Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	Temperature	12.8	deg C	CAWR-19-162017
295998	Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	Temperature	16.8	deg C	CAWR-20-186469
169727	Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	Turbidity	34.7	NTU	CAWR-16-104421
195013	Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	Turbidity	10.8	NTU	CAWR-16-126321
208913	Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	Turbidity	94.2	NTU	CAWR-18-147340
249803	Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	Turbidity	57.7	NTU	CAWR-19-162017
295999	Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	Turbidity	27.6	NTU	CAWR-20-186469
226857	Sandia below Wetlands	0.0	02/27/2018	WS	Dissolved Oxygen	10.23	mg/L	CASA-18-151352
242732	Sandia below Wetlands	0.0	07/24/2018	WS	Dissolved Oxygen	6.50	mg/L	CASA-18-159935
257889	Sandia below Wetlands	0.0	11/26/2018	WS	Dissolved Oxygen	10.55	mg/L	CASA-19-164309
265887	Sandia below Wetlands	0.0	02/25/2019	WS	Dissolved Oxygen	9.79	mg/L	CASA-19-166820
287911	Sandia below Wetlands	0.0	07/26/2019	WS	Dissolved Oxygen	6.44	mg/L	CASA-19-182749
226856	Sandia below Wetlands	0.0	02/27/2018	WS	Flow (in gpm)	208.8	gpm	CASA-18-151352
242731	Sandia below Wetlands	0.0	07/24/2018	WS	Flow (in gpm)	72.7	gpm	CASA-18-159935
257888	Sandia below Wetlands	0.0	11/26/2018	WS	Flow (in gpm)	211.0	gpm	CASA-19-164309
287910	Sandia below Wetlands	0.0	07/26/2019	WS	Flow (in gpm)	202.0	gpm	CASA-19-182749
226858	Sandia below Wetlands	0.0	02/27/2018	WS	pH	7.8	SU	CASA-18-151352
242733	Sandia below Wetlands	0.0	07/24/2018	WS	pH	7.4	SU	CASA-18-159935
257890	Sandia below Wetlands	0.0	11/26/2018	WS	pH	8.5	SU	CASA-19-164309
265891	Sandia below Wetlands	0.0	02/25/2019	WS	pH	8.0	SU	CASA-19-166820
287912	Sandia below Wetlands	0.0	07/26/2019	WS	pH	7.9	SU	CASA-19-182749
226859	Sandia below Wetlands	0.0	02/27/2018	WS	Specific Conductance	615.0	µS/cm	CASA-18-151352
242734	Sandia below Wetlands	0.0	07/24/2018	WS	Specific Conductance	379.5	µS/cm	CASA-18-159935
257891	Sandia below Wetlands	0.0	11/26/2018	WS	Specific Conductance	443.5	µS/cm	CASA-19-164309
265888	Sandia below Wetlands	0.0	02/25/2019	WS	Specific Conductance	1031.0	µS/cm	CASA-19-166820
287914	Sandia below Wetlands	0.0	07/26/2019	WS	Specific Conductance	432.4	µS/cm	CASA-19-182749

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
226860	Sandia below Wetlands	0.0	02/27/2018	WS	Temperature	5.1	deg C	CASA-18-151352
242735	Sandia below Wetlands	0.0	07/24/2018	WS	Temperature	17.7	deg C	CASA-18-159935
257892	Sandia below Wetlands	0.0	11/26/2018	WS	Temperature	1.1	deg C	CASA-19-164309
265889	Sandia below Wetlands	0.0	02/25/2019	WS	Temperature	1.3	deg C	CASA-19-166820
287915	Sandia below Wetlands	0.0	07/26/2019	WS	Temperature	16.9	deg C	CASA-19-182749
226861	Sandia below Wetlands	0.0	02/27/2018	WS	Turbidity	4.3	NTU	CASA-18-151352
242736	Sandia below Wetlands	0.0	07/24/2018	WS	Turbidity	5.1	NTU	CASA-18-159935
257893	Sandia below Wetlands	0.0	11/26/2018	WS	Turbidity	2.3	NTU	CASA-19-164309
265890	Sandia below Wetlands	0.0	02/25/2019	WS	Turbidity	1.1	NTU	CASA-19-166820
287913	Sandia below Wetlands	0.0	07/26/2019	WS	Turbidity	7.3	NTU	CASA-19-182749
207750	Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	Dissolved Oxygen	6.78	mg/L	CASA-17-142038
207794	Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	Dissolved Oxygen	6.97	mg/L	CASA-17-142083
226873	Sandia right fork at Pwr Plant	0.0	02/27/2018	WS	Dissolved Oxygen	8.39	mg/L	CASA-18-151344
242738	Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	Dissolved Oxygen	6.85	mg/L	CASA-18-159879
287917	Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	Dissolved Oxygen	6.82	mg/L	CASA-19-182736
—	Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	Flow (in gpm)	49.4	gpm	CASA-17-142038
207795	Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	Flow (in gpm)	130.79	gpm	CASA-17-142083
242737	Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	Flow (in gpm)	93.4	gpm	CASA-18-159879
287916	Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	Flow (in gpm)	419.2	gpm	CASA-19-182736
207754	Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	pH	8.2	SU	CASA-17-142038
207800	Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	pH	7.9	SU	CASA-17-142083
226868	Sandia right fork at Pwr Plant	0.0	02/27/2018	WS	pH	8.0	SU	CASA-18-151344
242739	Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	pH	8.0	SU	CASA-18-159879
287918	Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	pH	8.4	SU	CASA-19-182736
207751	Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	Specific Conductance	371.4	µS/cm	CASA-17-142038
207797	Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	Specific Conductance	409.5	µS/cm	CASA-17-142083
226869	Sandia right fork at Pwr Plant	0.0	02/27/2018	WS	Specific Conductance	403.5	µS/cm	CASA-18-151344

Field Measurement Record ID	Location ID	Screen Depth	Measurement Date	PMR Sample Type	Field Parameter	Field Measurement	Measurement Unit	Field Sample ID
242740	Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	Specific Conductance	333.6	µS/cm	CASA-18-159879
287919	Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	Specific Conductance	548.0	µS/cm	CASA-19-182736
207752	Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	Temperature	20.3	deg C	CASA-17-142038
207798	Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	Temperature	20.6	deg C	CASA-17-142083
226870	Sandia right fork at Pwr Plant	0.0	02/27/2018	WS	Temperature	11.5	deg C	CASA-18-151344
242741	Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	Temperature	23.3	deg C	CASA-18-159879
287920	Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	Temperature	21.0	deg C	CASA-19-182736
207753	Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	Turbidity	1.5	NTU	CASA-17-142038
207799	Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	Turbidity	0.3	NTU	CASA-17-142083
226871	Sandia right fork at Pwr Plant	0.0	02/27/2018	WS	Turbidity	0.6	NTU	CASA-18-151344
242742	Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	Turbidity	1.1	NTU	CASA-18-159879
287921	Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	Turbidity	1.6	NTU	CASA-19-182736

[a] WS = Surface water.

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

[c] gpm = Gallons per minute.

[d] SU = Standard unit.

[e] NTU = Nephelometric turbidity 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, symbols, and various analytical codes; (2) analytical laboratory qualifiers; and (3) validation qualifiers that may be used in Appendix C. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the terms in the lists.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%D	percent difference
%R	percent recovery
%RSD	percent relative standard deviation
<	Based on qualifiers, the result was a nondetection.
—	none
4,4'-DDD	4,4'-dichlorodiphenyldichloroethane
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
BHC	benzene hexachloride
CB	chlorinated biphenyl
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	Contract Laboratory Program
CRDL	contract-required detection limit
CRI	CDRL check standard
DCG	Derived Concentration Guide (DOE)
DDE	dichlorodiphenyldichloroethylene
DNX	dinitroso-RDX
DOE	Department of Energy (U.S.)
DQO	data quality objective
EPA	Environmental Protection Agency (U.S.)
FLD	measurement taken in field
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	Her Majesty's Explosive; 1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,4-Diamino-6-nitrotoluene	6629-29-4	N	0.542	—	—	0.542	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	2,6-Diamino-4-nitrotoluene	59229-75-3	N	0.542	—	—	0.542	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	3,5-Dinitroaniline	618-87-1	N	0.325	—	—	0.325	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	15.6	—	—	1.5	µg/L	Y	—	R	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	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-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117.0	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	449.0	—	—	68.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0565	0.0352	0.128	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-2,6-dinitrotoluene[4-]	19406-51-0	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Amino-4,6-dinitrotoluene[2-]	35572-78-2	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	2.56	—	—	0.085	mg/L	Y	—	J+	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.73	—	—	4.73	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0367	—	—	0.0367	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.44	—	—	2.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.34	—	—	2.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	55.7	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	77.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.39	—	—	4.39	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.75	—	—	6.75	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	Y	0.855	—	—	0.338	µg/L	Y	J	J-	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	368.0	—	—	15.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	374.0	—	—	15.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	26.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	27.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.613	1.08	3.81	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	53.0	—	—	0.67	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.71	—	—	3.71	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.462	—	—	0.462	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	1.1	0.933	4.3	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	Y	13.2	—	—	3.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	Y	19.1	—	—	3.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00181	—	—	0.00167	mg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrobenzene[1,3-]	99-65-0	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.63	—	—	5.63	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,4-]	121-14-2	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Dinitrotoluene[2,6-]	606-20-2	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	Y	0.384	—	—	0.1	µg/L	Y	J	J-	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.493	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	2.41	1.04	2.98	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	17.5	1.6	2.82	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	N	0.00000586	—	—	0.0000221	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	N	0.00000586	—	—	0.0000196	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	55673-89-7	N	0.00000586	—	—	0.0000196	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	39227-28-6	N	0.00000586	—	—	0.0000258	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	57653-85-7	N	0.00000586	—	—	0.0000205	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	19408-74-3	N	0.00000586	—	—	0.0000238	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxins (Total)	34465-46-8	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9	N	0.00000586	—	—	0.0000196	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	N	0.00000586	—	—	0.0000196	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,7,8,9-]	72918-21-9	N	0.00000586	—	—	0.0000196	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[2,3,4,6,7,8-]	60851-34-5	N	0.00000586	—	—	0.0000196	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofurans (Total)	55684-94-1	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	HMX	2691-41-0	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	99.6	—	—	30.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	388.0	—	—	30.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.94	—	—	3.94	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	1.31	—	—	0.5	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	9.01	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	9.65	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	16.6	—	—	2.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	72.6	—	—	2.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC

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Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	4.16	—	—	4.16	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.994	—	—	0.2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	2.46	2.09	8.26	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	2.26	—	—	0.6	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	2.48	—	—	0.6	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.84	—	—	0.17	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrobenzene	98-95-3	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines: HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	Y	0.000811	—	—	0.00047	µg/L	Y	—	NQ	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines: HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines: HRMS	Nitrosodiethylamine[N-]	55-18-5	Y	0.00031	—	—	0.00018	µg/L	Y	J	J	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines: HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.00925	—	—	0.00036	µg/L	Y	—	NQ	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines: HRMS	Nitrosopyrrolidine[N-]	930-55-2	Y	0.000981	—	—	0.00033	µg/L	Y	—	NQ	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[2-]	88-72-2	N	0.0889	—	—	0.0889	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[3-]	99-08-1	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Nitrotoluene[4-]	99-99-0	N	0.163	—	—	0.163	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	Y	0.0000202	—	—	0.000039	µg/L	Y	J	J	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	N	0.0000117	—	—	0.0000446	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzodioxin[1,2,3,7,8-]	40321-76-4	N	0.00000586	—	—	0.0000317	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzodioxins (Total)	36088-22-9	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzofuran[1,2,3,7,8-]	57117-41-6	N	0.00000586	—	—	0.0000239	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzofuran[2,3,4,7,8-]	57117-31-4	N	0.00000586	—	—	0.000025	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzofurans (Totals)	30402-15-4	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.159	—	—	0.05	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.615	—	—	0.615	ng/L	Y	U	U	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2.76	—	—	0.745	ng/L	Y	—	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	5.99	—	—	0.652	ng/L	Y	—	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	PETN	78-11-5	N	0.108	—	—	0.108	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00000000475	0.0269	0.166	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0759	0.0329	0.179	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	19.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	20.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	-11.8	17.1	65.2	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	RE	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.38	—	—	3.38	µg/L	Y	UH	R	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.338	—	—	0.338	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	N	0.298	0.204	0.688	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.551	0.249	—	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:904	Radium-228	Ra-228	N	0.253	0.143	0.469	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	RDX	121-82-4	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	81.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	85.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	55.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	56.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	1.31	1.07	4.76	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	561.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC

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Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	131.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	139.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.0965	0.0748	0.262	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	35.9	—	—	1.33	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	RE	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.38	—	—	3.38	µg/L	Y	UH	R	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	TATB	3058-38-6	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.9	—	—	—	deg C	Y	—	NQ	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	N	0.00000117	—	—	0.00000559	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzodioxins (Total)	41903-57-5	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9	N	0.00000122	—	—	0.00000438	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzofurans (Totals)	55722-27-5	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tetryl	479-45-8	N	0.0868	—	—	0.0868	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	203.0	—	—	3.4	mg/L	Y	H	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	7.45	—	—	0.165	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	17.4	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	Y	8.75	—	—	1.86	ng/L	Y	J	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.25	—	—	0.1	mg/L	Y	—	J+	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC

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Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrobenzene[1,3,5-]	99-35-4	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Trinitrotoluene[2,4,6-]	118-96-7	N	0.0868	—	—	0.0868	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS High Explosives	SW-846:8330B	Tris (o-cresyl) phosphate	78-30-8	N	0.325	—	—	0.325	µg/L	Y	U	R	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.634	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.588	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.55	0.106	0.297	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0	0.0237	0.22	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.0679	0.197	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.05	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.75	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	37.0	—	—	3.3	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	44.8	—	—	3.3	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.0	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.76	—	—	2.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.8	—	—	2.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	2.55	—	—	2.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Arsenic	As	Y	2.65	—	—	2.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	36.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	37.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	37.4	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	37.2	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	23.5	—	—	15.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	23.8	—	—	15.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	24.3	—	—	15.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	23.9	—	—	15.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.83	—	—	3.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.84	—	—	3.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.86	—	—	3.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Chromium	Cr	Y	3.85	—	—	3.0	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	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-2020-21	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	N	0.1	—	—	0.1	µg/L	Y	U	U	N3B-2020-21	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	67.0	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	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	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.994	—	—	0.2	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.0	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	—	0.00047	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188065	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	—	0.00047	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188066	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188065	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188066	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188065	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Nitrosamines	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188066	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	—	—	0.00036	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188065	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	—	—	0.00036	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188066	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	—	0.00033	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188065	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Nitrosamines	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	—	0.00033	µg/L	Y	U	U	N3B-2020-12	CAWR-20-188066	SwRI
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	10/01/2019	WS	F	INIT	FD	LCMS/MS Perchlorate	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	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.586	—	—	0.586	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.594	—	—	0.594	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	1.52	—	—	0.71	ng/L	Y	J	J	N3B-2020-19	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.721	—	—	0.721	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.622	—	—	0.622	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.631	—	—	0.631	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.45	—	—	3.45	µg/L	Y	UH	UJ	N3B-2020-21	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.37	—	—	3.37	µg/L	Y	UH	UJ	N3B-2020-21	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.0	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	64.0	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	113.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	115.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	117.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	117.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.45	—	—	3.45	µg/L	Y	UH	UJ	N3B-2020-21	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.37	—	—	3.37	µg/L	Y	UH	UJ	N3B-2020-21	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-21	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-21	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	104.0	—	—	3.4	mg/L	Y	H	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0542	—	—	0.033	mg/L	Y	J	J+	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Pajarito at Rio Grande	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	Y	1.52	—	—	0.71	ng/L	Y	J	J	N3B-2020-19	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	—	1.8	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	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-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0785	—	—	0.02	mg/L	Y	—	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.76	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	8.97	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.11	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	9.4	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	4.01	—	—	3.3	µg/L	Y	J	U	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	3.84	—	—	3.3	µg/L	Y	J	U	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	4.19	—	—	3.3	µg/L	Y	J	U	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	N	4.12	—	—	3.3	µg/L	Y	J	U	N3B-2020-38	CAWR-20-188066	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	244.0	—	—	68.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.83	—	—	2.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	4.24	—	—	2.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	50.8	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	59.2	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	23.0	—	—	15.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	22.7	—	—	15.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.0	—	—	0.067	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	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-2020-16	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	272.0	—	—	30.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.92	—	—	2.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	47.0	—	—	2.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/02/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	—	0.00047	µg/L	Y	U	U	N3B-2020-35	CAWR-20-188067	SwRI
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-35	CAWR-20-188067	SwRI
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-35	CAWR-20-188067	SwRI
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	—	—	0.00036	µg/L	Y	U	U	N3B-2020-35	CAWR-20-188067	SwRI
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	—	0.00033	µg/L	Y	U	U	N3B-2020-35	CAWR-20-188067	SwRI
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	LCMS/MS Percchlorate	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	0.0	10/02/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.597	—	—	0.597	ng/L	Y	U	U	N3B-2020-20	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.724	—	—	0.724	ng/L	Y	U	U	N3B-2020-20	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.633	—	—	0.633	ng/L	Y	U	U	N3B-2020-20	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	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

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.11	—	—	3.11	µg/L	Y	UH	R	N3B-2020-16	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	253.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	231.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	237.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	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	0.0	10/02/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.11	—	—	3.11	µg/L	Y	UH	R	N3B-2020-16	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.0	—	—	—	deg C	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-20	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	419.0	—	—	3.4	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	10/02/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	—	1.81	ng/L	Y	U	U	N3B-2020-20	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.053	—	—	0.02	mg/L	Y	—	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.18	—	—	1.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.14	—	—	1.0	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.3	—	—	3.3	µg/L	Y	U	U	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.34	—	—	3.3	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	6.95	—	—	1.5	µg/L	Y	J	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC

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Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	102.0	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	2740.0	—	—	68.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.017	—	—	0.017	mg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.55	—	—	4.55	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1016	12674-11-2	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1221	11104-28-2	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1232	11141-16-5	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1242	53469-21-9	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1248	12672-29-6	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1254	11097-69-1	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082A	Aroclor-1260	11096-82-5	N	0.0377	—	—	0.0377	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.12	—	—	2.0	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.46	—	—	2.0	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	61.9	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	85.1	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.23	—	—	4.23	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.5	—	—	6.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC

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Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	27.1	—	—	15.0	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	28.4	—	—	15.0	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	N	0.067	—	—	0.067	mg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.58	—	—	3.58	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.444	—	—	0.444	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	N	0.00167	—	—	0.00167	mg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	Y	1.06	—	—	0.3	µg/L	Y	—	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.42	—	—	5.42	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	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-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	111.0	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	117.0	—	—	0.453	mg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	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	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzodioxins (Total)	37871-00-4	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	N	0.00000516	—	—	0.0000172	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	55673-89-7	N	0.00000516	—	—	0.0000172	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Heptachlorodibenzofurans (Total)	38998-75-3	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	39227-28-6	N	0.00000516	—	—	0.0000228	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	57653-85-7	N	0.00000516	—	—	0.000018	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	19408-74-3	N	0.00000516	—	—	0.000021	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzodioxins (Total)	34465-46-8	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9	N	0.00000516	—	—	0.0000172	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	N	0.00000516	—	—	0.0000172	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[1,2,3,7,8,9-]	72918-21-9	N	0.00000516	—	—	0.0000172	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofuran[2,3,4,6,7,8-]	60851-34-5	N	0.00000516	—	—	0.0000172	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Hexachlorodibenzofurans (Total)	55684-94-1	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30.0	—	—	30.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	1850.0	—	—	30.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.79	—	—	3.79	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.9	—	—	2.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	75.3	—	—	2.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:7470A	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.325	—	—	0.325	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	4.01	—	—	4.01	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.325	—	—	0.325	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	N	0.00047	—	—	0.00047	µg/L	Y	U	U	N3B-2020-57	CAWR-20-186470	SwRI
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-propylamine[N-]	621-64-7	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-57	CAWR-20-186470	SwRI
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodiethylamine[N-]	55-18-5	N	0.00018	—	—	0.00018	µg/L	Y	U	U	N3B-2020-57	CAWR-20-186470	SwRI
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	N	0.00036	—	—	0.00036	µg/L	Y	U	U	N3B-2020-57	CAWR-20-186470	SwRI
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	N	0.00033	—	—	0.00033	µg/L	Y	U	U	N3B-2020-57	CAWR-20-186470	SwRI
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	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	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	N	0.0000103	—	—	0.0000393	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzodioxin[1,2,3,7,8-]	40321-76-4	N	0.00000516	—	—	0.0000279	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzodioxins (Total)	36088-22-9	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzofuran[1,2,3,7,8-]	57117-41-6	N	0.00000516	—	—	0.0000211	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzofuran[2,3,4,7,8-]	57117-31-4	N	0.00000516	—	—	0.000022	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Pentachlorodibenzofurans (Totals)	30402-15-4	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	10/07/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorohexanesulfonic acid	355-46-4	N	0.566	—	—	0.566	ng/L	Y	U	U	N3B-2020-48	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.686	—	—	0.686	ng/L	Y	U	U	N3B-2020-48	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	N	0.6	—	—	0.6	ng/L	Y	U	U	N3B-2020-48	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	18.0	16.5	47.3	—	pCi/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	RE	REG	SVOC	SW-846:8270D	Prometon	1610-18-0	N	3.25	—	—	3.25	µg/L	Y	UH	R	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.325	—	—	0.325	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	Rad	Generic:Radium by Calculation	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	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	274.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	263.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	268.0	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	UF	RE	REG	SVOC	SW-846:8270D	Sulfolane	126-33-0	N	3.25	—	—	3.25	µg/L	Y	UH	R	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.0	—	—	—	deg C	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.2	—	—	—	deg C	Y	—	NQ	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2020-48	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	N	0.00000103	—	—	0.00000492	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzodioxins (Total)	41903-57-5	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9	N	0.00000103	—	—	0.00000386	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Tetrachlorodibenzofurans (Totals)	55722-27-5	N	0.0	—	—	—	µg/L	Y	U	U	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	25.0	—	—	25.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	25.0	—	—	25.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	176.0	—	—	3.4	mg/L	Y	—	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.396	—	—	0.033	mg/L	Y	—	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/07/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0.0	—	—	1.71	ng/L	Y	U	U	N3B-2020-48	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	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-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.25	—	—	3.25	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.04	—	—	1.0	µg/L	Y	J	J	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.83	—	—	1.0	µg/L	Y	—	NQ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	3.33	—	—	3.3	µg/L	Y	J	U	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	9.19	—	—	3.3	µg/L	Y	J	U	N3B-2020-47	CAWR-20-186470	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	115.0	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	164.0	—	—	68.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	474.0	—	—	68.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.44	—	—	4.44	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1016	12674-11-2	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1221	11104-28-2	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1232	11141-16-5	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1248	12672-29-6	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1254	11097-69-1	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1260	11096-82-5	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1262	37324-23-5	N	0.037	—	—	0.037	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.25	—	—	2.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.1	—	—	2.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.3	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	32.8	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.12	—	—	4.12	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.34	—	—	6.34	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	65.3	—	—	15.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	64.4	—	—	15.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19.0	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.49	—	—	3.49	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.433	—	—	0.433	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	3.76	—	—	3.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.47	—	—	3.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.28	—	—	5.28	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	12.0	1.03	2.33	—	pCi/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	65.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	65.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	430.0	—	—	30.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	789.0	—	—	30.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.7	—	—	3.7	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.801	—	—	0.5	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.45	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	101.0	—	—	2.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	119.0	—	—	2.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	2.25	—	—	1.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	3.91	—	—	3.91	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.71	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.76	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.04	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	14.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	11.0	14.9	58.1	—	pCi/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.317	—	—	0.317	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	52.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	52.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	433.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	80.7	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	82.6	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	314.0	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.17	—	—	3.17	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.137	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.126	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.44	—	—	1.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.95	—	—	1.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	23.3	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	27.6	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182750	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthene	83-32-9	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Acenaphthylene	208-96-8	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetonitrile	75-05-8	N	8.0	—	—	8.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrolein	107-02-8	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acrylonitrile	107-13-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	134.0	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68.0	—	—	68.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	105.0	—	—	68.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Aniline	62-53-3	N	4.54	—	—	4.54	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Anthracene	120-12-7	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Antimony	Sb	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1016	12674-11-2	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1221	11104-28-2	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1232	11141-16-5	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1242	53469-21-9	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1248	12672-29-6	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1254	11097-69-1	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1260	11096-82-5	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	PESTPCB	SW-846:8082	Aroclor-1262	37324-23-5	N	0.0351	—	—	0.0351	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.98	—	—	2.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.4	—	—	2.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Atrazine	1912-24-9	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Azobenzene	103-33-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	28.7	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	29.7	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Benzene	71-43-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzidine	92-87-5	N	4.22	—	—	4.22	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)anthracene	56-55-3	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(a)pyrene	50-32-8	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(b)fluoranthene	205-99-2	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(g,h,i)perylene	191-24-2	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzo(k)fluoranthene	207-08-9	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzoic Acid	65-85-0	N	6.49	—	—	6.49	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Benzyl Alcohol	100-51-6	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Beryllium	Be	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethoxy)methane	111-91-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-chloroethyl)ether	111-44-4	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	79.0	—	—	15.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	72.8	—	—	15.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromobenzene	108-86-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromochloromethane	74-97-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	Y	0.62	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	Y	0.73	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromomethane	74-83-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bromophenyl-phenylether[4-]	101-55-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanol[1-]	71-36-3	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butanone[2-]	78-93-3	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[n-]	104-51-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[sec-]	135-98-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Butylbenzene[tert-]	98-06-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Butylbenzylphthalate	85-68-7	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Cadmium	Cd	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	22.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Carbon Tetrachloride	56-23-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1,3-butadiene[2-]	126-99-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloro-1-propene[3-]	107-05-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloro-3-methylphenol[4-]	59-50-7	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloroaniline[4-]	106-47-8	N	3.57	—	—	3.57	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorobenzene	108-90-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	Y	0.42	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroethane	75-00-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.66	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloromethane	74-87-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chloronaphthalene[2-]	91-58-7	N	0.443	—	—	0.443	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenol[2-]	95-57-8	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chlorophenyl-phenyl[4-] Ether	7005-72-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[2-]	95-49-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorotoluene[4-]	106-43-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Chrysene	218-01-9	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Cobalt	Co	N	1.0	—	—	1.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	N	3.0	—	—	3.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-butylphthalate	84-74-2	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Di-n-octylphthalate	117-84-0	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenz(a,h)anthracene	53-70-3	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dibenzofuran	132-64-9	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromo-3-Chloropropane[1,2-]	96-12-8	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromoethane[1,2-]	106-93-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dibromomethane	74-95-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,2-]	95-50-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,2-]	95-50-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,4-]	106-46-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,4-]	106-46-7	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzidine[3,3'-]	91-94-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorodifluoromethane	75-71-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,2-]	107-06-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[cis-1,2-]	156-59-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[trans-1,2-]	156-60-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorophenol[2,4-]	120-83-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,2-]	78-87-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[1,3-]	142-28-9	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropane[2,2-]	594-20-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[1,1-]	563-58-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[cis-1,3-]	10061-01-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichloropropene[trans-1,3-]	10061-02-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Diethyl Ether	60-29-7	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diethylphthalate	84-66-2	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethyl Phthalate	131-11-3	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dimethylphenol[2,4-]	105-67-9	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitro-2-methylphenol[4,6-]	534-52-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrophenol[2,4-]	51-28-5	N	5.41	—	—	5.41	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,4-]	121-14-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinitrotoluene[2,6-]	606-20-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dinoseb	88-85-7	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Diphenylamine	122-39-4	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethyl Methacrylate	97-63-2	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Ethylbenzene	100-41-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluoranthene	206-44-0	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Fluorene	86-73-7	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	80.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	81.0	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobenzene	118-74-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexachlorobutadiene	87-68-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorobutadiene	87-68-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachlorocyclopentadiene	77-47-4	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Hexachloroethane	67-72-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Hexanone[2-]	591-78-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Indeno(1,2,3-cd)pyrene	193-39-5	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Iodomethane	74-88-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	73.8	—	—	30.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	125.0	—	—	30.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isobutyl alcohol	78-83-1	N	15.0	—	—	15.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Isophorone	78-59-1	N	3.78	—	—	3.78	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropylbenzene	98-82-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Isopropyltoluene[4-]	99-87-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.22	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.23	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	9.91	—	—	2.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	15.9	—	—	2.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	EPA:245.2	Mercury	Hg	N	0.067	—	—	0.067	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methacrylonitrile	126-98-7	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl Methacrylate	80-62-6	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl tert-Butyl Ether	1634-04-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methyl-2-pentanone[4-]	108-10-1	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	2.46	—	—	1.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[1-]	90-12-0	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylnaphthalene[2-]	91-57-6	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[2-]	95-48-7	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Methylphenol[3-,4-]	65794-96-9	N	4.0	—	—	4.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	2.38	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	2.5	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Naphthalene	91-20-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Naphthalene	91-20-3	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[2-]	88-74-4	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[3-]	99-09-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroaniline[4-]	100-01-6	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrobenzene	98-95-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[2-]	88-75-5	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrophenol[4-]	100-02-7	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-propylamine[N-]	621-64-7	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Oxybis(1-chloropropane)[2,2'-]	108-60-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorobenzene	608-93-5	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pentachlorophenol	87-86-5	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenanthrene	85-01-8	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Phenol	108-95-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propionitrile	107-12-0	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Propylbenzene[1-]	103-65-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyrene	129-00-0	N	0.324	—	—	0.324	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Pyridine	110-86-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Selenium	Se	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	88.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Silver	Ag	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	70.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	70.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	551.0	—	—	1.0	uS/cm	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	88.4	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	89.2	—	—	1.0	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Styrene	100-42-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.0	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorobenzene[1,2,4,5]	95-94-3	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,1,2-]	630-20-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethane[1,1,2,2-]	79-34-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Tetrachloroethene	127-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Tetrachlorophenol[2,3,4,6-]	58-90-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Thallium	Tl	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Tin	Sn	N	2.5	—	—	2.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Toluene	108-88-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	389.0	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	N	2.0	—	—	2.0	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,3-]	87-61-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorobenzene[1,2,4-]	120-82-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorobenzene[1,2,4-]	120-82-1	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichlorofluoromethane	75-69-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,5-]	95-95-4	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Trichlorophenol[2,4,6-]	88-06-2	N	3.24	—	—	3.24	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trichloropropane[1,2,3-]	96-18-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,2,4-]	95-63-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Trimethylbenzene[1,3,5-]	108-67-8	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.121	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.108	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.73	—	—	1.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.07	—	—	1.0	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC

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

Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl acetate	108-05-4	N	1.5	—	—	1.5	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Vinyl Chloride	75-01-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,2-]	95-47-6	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	58.5	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	62.8	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182737	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	15.6	—	—	1.5	µg/L	Y	—	R	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	5.04	—	—	1.5	µg/L	Y	J	J	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	10-4795	CAWR-10-25461	GELC
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	N	10	—	—	3.5	µg/L	Y	U	UJ	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	VOC	SW-846:8260B	Acetone	67-64-1	Y	7.73	—	—	1.25	µg/L	Y	—	J-	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.06	—	—	0.01	SU	Y	HQ	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.42	—	—	0.01	SU	Y	H	J-	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	J-	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	J-	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	117	—	—	1.45	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	90	—	—	1.45	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	151	—	—	0.73	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	131	—	—	0.73	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	121	—	—	0.73	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	449	—	—	68	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	1380	—	—	68	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0565	0.0352	0.128	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0139	0.00851	0.0609	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	2.56	—	—	0.085	mg/L	Y	—	J+	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	4.69	—	—	0.085	mg/L	Y	Q	J+	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	14	—	—	0.16	mg/L	Y	—	J+	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.619	—	—	0.016	mg/L	Y	—	J-	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.21	—	—	0.016	mg/L	Y	—	J-	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.44	—	—	2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Arsenic	As	Y	3.34	—	—	2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.54	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.03	—	—	2	µg/L	Y	J	J	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.3	—	—	1.5	µg/L	Y	J	J	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	55.7	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	77	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	93.7	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	76	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	68	—	—	1	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	70.8	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	49.2	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	Y	0.855	—	—	0.338	µg/L	Y	J	J-	N3B-2020-16	CAWR-20-186460	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Bis(2-ethylhexyl)phthalate	117-81-7	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Bis(2-ethylhexyl)phthalate	117-81-7	Y	3.06	—	—	2.1	µg/L	Y	J	J	10-4795	CAWR-10-25461	GELC
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	SVOC	SW-846:8270C	Bis(2-ethylhexyl)phthalate	117-81-7	Y	3.34	—	—	2.2	µg/L	Y	J	J	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	SVOC	SW-846:8270C	Bis(2-ethylhexyl)phthalate	117-81-7	Y	9.64	—	—	2.13	µg/L	Y	J	J+	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	368	—	—	15	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	374	—	—	15	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	289	—	—	15	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	278	—	—	15	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	412	—	—	15	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	382	—	—	15	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	313	—	—	15	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	27.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	26.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	24.2	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	25.4	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	32.5	—	—	0.05	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	31.9	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	26.4	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.613	1.08	3.81	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-1.47	1.33	4.75	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	53	—	—	0.67	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	49.1	—	—	0.67	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	60.7	—	—	0.33	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	55.1	—	—	0.33	mg/L	Y	—	J+	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	45.7	—	—	0.33	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	1.1	0.933	4.3	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.0616	1.86	6.96	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	Y	13.2	—	—	3	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	Y	19.1	—	—	3	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	Y	17.1	—	—	3	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Copper	Cu	Y	13.3	—	—	3	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Copper	Cu	Y	14.5	—	—	3	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Copper	Cu	Y	11.4	—	—	3	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Copper	Cu	Y	13.2	—	—	3	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00181	—	—	0.00167	mg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	EPA:335.4	Cyanide (Total)	CN(TOTAL)	Y	0.00361	—	—	0.00167	mg/L	Y	JQ	J	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270E_SIM	Dioxane[1,4-]	123-91-1	Y	0.384	—	—	0.1	µg/L	Y	J	J-	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dioxane[1,4-]	123-91-1	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-373	CAWR-18-147400	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10.5	—	—	2.1	µg/L	Y	U	UJ	10-4795	CAWR-10-25461	GELC
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	N	10.9	—	—	2.2	µg/L	Y	U	UJ	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	VOC	SW-846:8260B	Dioxane[1,4-]	123-91-1	N	50	—	—	20	µg/L	Y	U	R	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.493	—	—	0.033	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.218	—	—	0.033	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.326	—	—	0.033	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.304	—	—	0.033	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.437	—	—	0.033	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	2.41	1.04	2.98	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	2.25	1.15	2.99	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	17.5	1.6	2.82	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	14.2	1.38	2.19	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	99.6	—	—	30	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	388	—	—	30	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	958	—	—	30	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	94.7	—	—	30	µg/L	Y	J	J	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	152	—	—	30	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	57.1	—	—	30	µg/L	Y	J	J	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	66.6	—	—	30	µg/L	Y	J	J	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Lead	Pb	Y	1.31	—	—	0.5	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	1.19	—	—	0.5	µg/L	Y	J	J	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	9.01	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	9.65	—	—	0.11	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.69	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.23	—	—	0.11	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	9.57	—	—	0.11	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	8.22	—	—	0.085	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	6.61	—	—	0.085	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	16.6	—	—	2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	72.6	—	—	2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	58.8	—	—	2	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	29.3	—	—	2	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	175	—	—	2	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	13.5	—	—	2	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	29.8	—	—	2	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.994	—	—	0.2	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.2	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.63	—	—	0.17	µg/L	Y	—	J	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.38	—	—	0.1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.56	—	—	0.1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	2.46	2.09	8.26	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	0.129	2.79	9.19	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	2.26	—	—	0.6	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Nickel	Ni	Y	2.48	—	—	0.6	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	3.19	—	—	0.6	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	2.38	—	—	0.6	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	3.8	—	—	0.5	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	3.16	—	—	0.5	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	3.33	—	—	0.5	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.84	—	—	0.17	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.42	—	—	0.17	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.57	—	—	0.05	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.4	—	—	0.05	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.13	—	—	0.25	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitroso-di-n-butylamine[N-]	924-16-3	Y	0.000811	—	—	0.00047	µg/L	Y	—	NQ	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitroso-di-n-butylamine[N-]	924-16-3	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitroso-di-n-butylamine[N-]	924-16-3	N	10.5	—	—	3.2	µg/L	Y	U	U	10-4795	CAWR-10-25461	GELC
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitroso-di-n-butylamine[N-]	924-16-3	N	10.9	—	—	3.3	µg/L	Y	U	U	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	SVOC	SW-846:8270C	Nitroso-di-n-butylamine[N-]	924-16-3	N	10.6	—	—	2.13	µg/L	Y	U	U	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines: HRMS	Nitrosodiethylamine[N-]	55-18-5	Y	0.00031	—	—	0.00018	µg/L	Y	J	J	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodiethylamine[N-]	55-18-5	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosodiethylamine[N-]	55-18-5	N	10.5	—	—	2.1	µg/L	Y	U	U	10-4795	CAWR-10-25461	GELC
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosodiethylamine[N-]	55-18-5	N	10.9	—	—	2.2	µg/L	Y	U	U	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosodiethylamine[N-]	55-18-5	N	10.6	—	—	2.13	µg/L	Y	U	U	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosodimethylamine[N-]	62-75-9	Y	0.00925	—	—	0.00036	µg/L	Y	—	NQ	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosodimethylamine[N-]	62-75-9	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosodimethylamine[N-]	62-75-9	N	10.5	—	—	2.1	µg/L	Y	U	U	10-4795	CAWR-10-25461	GELC
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosodimethylamine[N-]	62-75-9	N	10.9	—	—	2.2	µg/L	Y	U	U	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosodimethylamine[N-]	62-75-9	N	10.6	—	—	2.13	µg/L	Y	U	U	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Nitrosamines	Nitrosamines:HRMS	Nitrosopyrrolidine[N-]	930-55-2	Y	0.000981	—	—	0.00033	µg/L	Y	—	NQ	N3B-2020-12	CAWR-20-186460	SwRI
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.38	—	—	3.38	µg/L	Y	U	UJ	N3B-2020-16	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Nitrosopyrrolidine[N-]	930-55-2	N	3.13	—	—	3.13	µg/L	Y	U	U	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosopyrrolidine[N-]	930-55-2	N	10.5	—	—	2.1	µg/L	Y	U	U	10-4795	CAWR-10-25461	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	09/28/2009	WS	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosopyrrolidine[N-]	930-55-2	N	10.9	—	—	2.2	µg/L	Y	U	U	10-17	CAWR-09-12595	GELC
Mortandad at Rio Grande	0.0	09/24/2007	WP	UF	INIT	REG	SVOC	SW-846:8270C	Nitrosopyrrolidine[N-]	930-55-2	N	10.6	—	—	2.13	µg/L	Y	U	U	194565	GU070900PMRG02	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzodioxin [1,2,3,4,6,7,8,9-]	3268-87-9	Y	0.0000202	—	—	0.000039	µg/L	Y	J	J	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzodioxin [1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000109	—	—	0.0000365	µg/L	Y	U	U	2018-376	CAWR-18-147400	CFA
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.159	—	—	0.05	µg/L	Y	J	J	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.107	—	—	0.05	µg/L	Y	J	J	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.174	—	—	0.05	µg/L	Y	J	J	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.185	—	—	0.05	µg/L	Y	J	J	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	2.76	—	—	0.745	ng/L	Y	—	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanoic acid	335-67-1	Y	5.99	—	—	0.652	ng/L	Y	—	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00000000475	0.0269	0.166	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0036	0.0119	0.0623	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0759	0.0329	0.179	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00359	0.0119	0.0808	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	19.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	20.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	16	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	15.1	—	—	0.05	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	17.9	—	—	0.05	mg/L	Y	E	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	-11.8	17.1	65.2	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	29.6	25.7	47.8	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	N	0.298	0.204	0.688	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	Generic:Radium by Calculation	Radium-226 and Radium-228	Ra-226+228	Y	0.551	0.249	—	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:904	Radium-228	Ra-228	N	0.253	0.143	0.469	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	81.6	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	85.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	85	—	—	0.053	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.7	—	—	0.053	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.1	—	—	0.053	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	56.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	55.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	47	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	48.7	—	—	0.1	mg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	68.8	—	—	0.1	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	61.7	—	—	0.1	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	59.3	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	1.31	1.07	4.76	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	-1.11	1.65	4.37	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	561	—	—	1	uS/cm	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	543	—	—	1	uS/cm	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	651	—	—	1	uS/cm	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	585	—	—	1	uS/cm	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	523	—	—	1	uS/cm	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	131	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	139	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	111	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	104	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	154	—	—	1	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	148	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	110	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.0965	0.0748	0.262	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	0.00593	0.11	0.422	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	35.9	—	—	1.33	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	30.9	—	—	1.33	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	59.9	—	—	0.5	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	34	—	—	0.1	mg/L	Y	—	J+	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	27.4	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.9	—	—	—	deg C	Y	—	NQ	N3B-2020-42	CAWR-20-186460	CFA
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2.1	—	—	—	deg C	Y	—	NQ	2018-376	CAWR-18-147400	CFA
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	10	—	—	—	deg C	Y	—	NQ	2018-373	CAWR-18-147400	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	15	—	—	—	deg C	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	H	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	350	—	—	3.4	mg/L	Y	Q	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	424	—	—	4.8	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	404	—	—	2.4	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	419	—	—	2.4	mg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	7.45	—	—	0.165	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	9.9	—	—	0.165	mg/L	Y	Q	J	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	General Chemistry	SW-846:9060A	Total Organic Carbon	TOC	Y	17.4	—	—	0.33	mg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	16.3	—	—	0.66	mg/L	Y	Q	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	Y	8.75	—	—	1.86	ng/L	Y	J	NQ	N3B-2020-20	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.25	—	—	0.1	mg/L	Y	—	J+	N3B-2020-40	CAWR-20-186459	GELC

Table C-2 Analytical Detects 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	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
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	3.86	—	—	0.1	mg/L	Y	Q	J-	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0653	—	—	0.015	mg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	4.74	—	—	0.075	mg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	2.77	—	—	0.075	mg/L	Y	—	J-	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.634	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Uranium	U	Y	0.588	—	—	0.067	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.304	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.238	—	—	0.067	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.889	—	—	0.067	µg/L	Y	N	J+	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.892	—	—	0.05	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.393	—	—	0.05	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.55	0.106	0.297	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.114	0.0194	0.0473	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0237	0.22	—	pCi/L	Y	U	U	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00276	0.00731	0.0503	—	pCi/L	Y	U	U	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.231	0.0679	0.197	—	pCi/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.0894	0.0176	0.0457	—	pCi/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.05	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.75	—	—	1	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.33	—	—	1	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	6.89	—	—	1	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	6.99	—	—	1	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	7.3	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	44.8	—	—	3.3	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186460	GELC
Mortandad at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	37	—	—	3.3	µg/L	Y	—	NQ	N3B-2020-40	CAWR-20-186459	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	30.5	—	—	3.3	µg/L	Y	—	NQ	2018-460	CAWR-18-147288	GELC
Mortandad at Rio Grande	0.0	10/10/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	37.3	—	—	3.3	µg/L	Y	—	NQ	2018-460	CAWR-18-147310	GELC
Mortandad at Rio Grande	0.0	10/03/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	Y	30.1	—	—	3.3	µg/L	Y	—	NQ	12-13	CAWR-11-27985	GELC
Mortandad at Rio Grande	0.0	09/27/2010	WS	F	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	Y	30	—	—	3.3	µg/L	Y	—	NQ	10-4825	CAWR-10-25460	GELC
Mortandad at Rio Grande	0.0	09/30/2009	WS	F	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	Y	33.9	—	—	3.3	µg/L	Y	—	NQ	10-55	CAWR-09-12593	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	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	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.62	—	—	0.01	SU	Y	H	J-	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	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	0.0	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

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Pajarito at Rio Grande	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.3	—	—	0.725	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.7	—	—	0.73	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.7	—	—	1.7	µg/L	Y	J	J	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	N	5	—	—	1.5	µg/L	Y	U	U	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	40.4	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	41.2	—	—	1	µg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	41.9	—	—	1	µg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	43.7	—	—	1	µg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	25.8	—	—	15	µg/L	Y	J	J	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	26.3	—	—	15	µg/L	Y	J	J	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	27	—	—	15	µg/L	Y	J	J	12-25	CAWR-11-27989	GELC

Table C-2 Analytical Detects 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	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	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	21.8	—	—	15	µg/L	Y	J	J	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.9	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	23	—	—	0.05	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	23.5	—	—	0.05	mg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	21.5	—	—	0.05	mg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	6.3	—	—	0.067	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.03	—	—	0.066	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	3.52	—	—	2	µg/L	Y	J	J	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.96	—	—	2	µg/L	Y	J	J	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.7	—	—	2	µg/L	Y	J	J	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.44	—	—	2.5	µg/L	Y	J	J	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.373	—	—	0.033	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.407	—	—	0.033	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	71.1	—	—	0.453	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	78	—	—	0.45	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	79.6	—	—	0.45	mg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	72.8	—	—	0.35	mg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.57	—	—	0.11	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	4.97	—	—	0.11	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	5.05	—	—	0.11	mg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	4.64	—	—	0.085	mg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	10/01/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	0.994	—	—	0.2	µg/L	Y	J	J	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020B	Molybdenum	Mo	Y	1	—	—	0.2	µg/L	Y	—	NQ	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/03/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.11	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	10/12/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.973	—	—	0.3	µg/L	Y	—	NQ	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.1	—	—	0.165	µg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.05	—	—	0.17	µg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.04	—	—	0.17	µg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	0.907	—	—	0.1	µg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.716	—	—	0.017	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC

Table C-2 Analytical Detects 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	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	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.785	—	—	0.05	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	10/01/2019	WS	F	INIT	FD	LCMS/MS Perchlorate	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	0.0	10/03/2018	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	10/12/2016	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.531	—	—	0.05	µg/L	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	0.0	09/29/2014	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.534	—	—	0.05	µg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.499	—	—	0.05	µg/L	Y	—	J+	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	Y	1.52	—	—	0.71	ng/L	Y	J	J	N3B-2020-19	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Perfluorooctanesulfonic acid	1763-23-1	N	0.721	—	—	0.721	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.42	—	—	0.05	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.73	—	—	0.05	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.78	—	—	0.05	mg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.61	—	—	0.05	mg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	63.4	—	—	0.053	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.3	—	—	0.053	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	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	0.0	09/30/1994	WS	UF	INIT	REG	LEGACY	LEGACY	Silicon Dioxide	SiO2	Y	68	—	—	—	mg/L	N	—	—	X	9409WSSGRP	NA
Pajarito at Rio Grande	0.0	10/13/1993	WS	UF	INIT	REG	LEGACY	LEGACY	Silicon Dioxide	SiO2	Y	65	—	—	—	mg/L	N	—	—	X	9310WSSGRP	NA
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	13.1	—	—	0.1	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	13.2	—	—	0.1	mg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	183	—	—	1	uS/cm	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/03/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	203	—	—	1	uS/cm	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	0.0	10/12/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	212	—	—	1	uS/cm	Y	—	NQ	2017-140	CAWR-16-126345	GELC
Pajarito at Rio Grande	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	191	—	—	3.63	uS/cm	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	200	—	—	1	uS/cm	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	120	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	129	—	—	1	µg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	132	—	—	1	µg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	121	—	—	1	µg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.96	—	—	0.133	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	5.56	—	—	0.1	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-38	CAWR-20-186462	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-38	CAWR-20-186464	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-21	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-21	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/03/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	N3B-2019-39	CAWR-19-161967	GELC
Pajarito at Rio Grande	0.0	10/03/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.6	—	—	—	deg C	Y	—	NQ	N3B-2019-81	CAWR-19-161967	CFA
Pajarito at Rio Grande	0.0	10/03/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-76	CAWR-19-161966	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	116	—	—	3.4	mg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0542	—	—	0.033	mg/L	Y	J	J+	N3B-2020-38	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2020-38	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	10/03/2018	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.033	—	—	0.033	mg/L	Y	U	U	N3B-2019-76	CAWR-19-161967	GELC
Pajarito at Rio Grande	0.0	10/12/2016	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.072	—	—	0.033	mg/L	Y	J	J	2017-140	CAWR-16-126319	GELC
Pajarito at Rio Grande	0.0	09/29/2014	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.158	—	—	0.033	mg/L	Y	—	U	2015-22	CAWR-14-86937	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.035	mg/L	Y	U	UJ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	REG	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	Y	1.52	—	—	0.71	ng/L	Y	J	J	N3B-2020-19	CAWR-20-188065	GELC
Pajarito at Rio Grande	0.0	10/01/2019	WS	UF	INIT	FD	LCMS/MS PFAS	EPA:537M	Total PFAS	PFAS-Tot-3a	N	0	—	—	1.8	ng/L	Y	U	U	N3B-2020-19	CAWR-20-188066	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.961	—	—	0.067	µg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.19	—	—	0.067	µg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.19	—	—	0.067	µg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.984	—	—	0.05	µg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Pajarito at Rio Grande	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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
Pajarito at Rio Grande	0.0	09/29/2014	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.44	—	—	1	µg/L	Y	—	NQ	2015-22	CAWR-14-86964	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	F	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	10.4	—	—	1	µg/L	Y	—	NQ	12-25	CAWR-11-27988	GELC
Pajarito at Rio Grande	0.0	10/04/2011	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	10.3	—	—	1	µg/L	Y	—	NQ	12-25	CAWR-11-27989	GELC
Pajarito at Rio Grande	0.0	09/27/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	9.58	—	—	1	µg/L	Y	—	NQ	10-4828	CAWR-10-25465	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.14	—	—	0.01	SU	Y	H	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	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-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	104	—	—	0.725	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Aluminum	Al	Y	6390	—	—	68	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Aluminum	Al	Y	5790	—	—	68	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	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	0.0	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
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.84	—	—	1.7	µg/L	Y	J	J	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	3.2	—	—	1.5	µg/L	Y	J	J	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.24	—	—	1.5	µg/L	Y	J	J	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	78.4	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Barium	Ba	Y	107	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Barium	Ba	Y	106	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	32.9	—	—	15	µg/L	Y	J	J	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Boron	B	Y	27	—	—	15	µg/L	Y	J	J	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Boron	B	Y	28.8	—	—	15	µg/L	Y	J	J	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	39.6	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Calcium	Ca	Y	38.6	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Calcium	Ca	Y	37.6	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.42	—	—	0.067	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.318	—	—	0.033	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Iron	Fe	Y	4040	—	—	30	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Iron	Fe	Y	4400	—	—	30	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6020	Lead	Pb	Y	2.77	—	—	0.5	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	2.86	—	—	0.5	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	6.83	—	—	0.11	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Magnesium	Mg	Y	7.52	—	—	0.085	mg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Magnesium	Mg	Y	7.39	—	—	0.085	mg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	7.88	—	—	2	µg/L	Y	J	J	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Manganese	Mn	Y	125	—	—	2	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Manganese	Mn	Y	126	—	—	2	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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

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Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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
Rio Grande at Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	6.16	—	—	0.165	µg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	4.87	—	—	0.1	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Friioles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	4.7	—	—	0.1	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.41	—	—	0.5	µg/L	Y	J	J	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	4.37	—	—	0.5	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Friioles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	4.46	—	—	0.5	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Friioles	0.0	10/02/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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 Friioles	0.0	10/04/2018	WS	F	INIT	REG	LCMS/MS Perchlorate	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 Friioles	0.0	10/13/2016	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0742	—	—	0.05	µg/L	Y	J	J	2017-141	CAWR-16-126346	GELC
Rio Grande at Friioles	0.0	10/01/2014	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.062	—	—	0.05	µg/L	Y	J	J	2015-22	CAWR-14-86965	GELC
Rio Grande at Friioles	0.0	09/26/2012	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0778	—	—	0.05	µg/L	Y	J	J	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	2.72	—	—	0.05	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Potassium	K	Y	3.65	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Friioles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Potassium	K	Y	3.84	—	—	0.05	mg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Friioles	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	20.3	—	—	0.053	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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
Rio Grande at Frijoles	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	17.7	—	—	0.1	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Sodium	Na	Y	15.2	—	—	0.1	mg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	253	—	—	1	uS/cm	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Frijoles	0.0	10/04/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	331	—	—	1	uS/cm	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Frijoles	0.0	10/13/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	352	—	—	1	uS/cm	Y	—	NQ	2017-141	CAWR-16-126346	GELC
Rio Grande at Frijoles	0.0	10/01/2014	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	295	—	—	3.63	uS/cm	Y	—	NQ	2015-22	CAWR-14-86965	GELC
Rio Grande at Frijoles	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	331	—	—	1	uS/cm	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	314	—	—	1	µg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Strontium	Sr	Y	271	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Strontium	Sr	Y	284	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	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	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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 Friioles	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	49.1	—	—	0.266	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	10/02/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	N3B-2020-40	CAWR-20-186467	GELC
Rio Grande at Friioles	0.0	10/02/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-20	CAWR-20-188067	GELC
Rio Grande at Friioles	0.0	10/04/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Friioles	0.0	10/04/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.6	—	—	—	deg C	Y	—	NQ	N3B-2019-81	CAWR-19-162015	CFA
Rio Grande at Friioles	0.0	10/04/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-77	CAWR-19-162014	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	203	—	—	3.4	mg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.516	—	—	0.035	mg/L	Y	—	NQ	12-1570	CAWR-12-23432	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	3.49	—	—	0.33	mg/L	Y	—	NQ	12-1570	CAWR-12-23432	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.86	—	—	0.067	µg/L	Y	—	NQ	12-1570	CAWR-12-23460	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.92	—	—	0.05	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Friioles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	1.89	—	—	0.05	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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 Friioles	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	09/26/2012	WS	F	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	4.25	—	—	1	µg/L	Y	J	J	12-1570	CAWR-12-23460	GELC
Rio Grande at Frijoles	0.0	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	0.0	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 Frijoles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Vanadium	V	Y	12.9	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Vanadium	V	Y	13.9	—	—	1	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	10/02/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	3.34	—	—	3.3	µg/L	Y	J	J	N3B-2020-40	CAWR-20-188067	GELC
Rio Grande at Frijoles	0.0	10/04/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	11.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-77	CAWR-19-162015	GELC
Rio Grande at Frijoles	0.0	10/13/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	2017-141	CAWR-16-126320	GELC
Rio Grande at Frijoles	0.0	09/29/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4822	CAWR-10-25415	GELC
Rio Grande at Frijoles	0.0	09/29/2010	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-4822	CAWR-10-25413	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Zinc	Zn	Y	12.4	—	—	3.3	µg/L	Y	—	NQ	10-55	CAWR-09-12584	GELC
Rio Grande at Frijoles	0.0	09/30/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Zinc	Zn	Y	12	—	—	3.3	µg/L	Y	—	NQ	10-55	CAWR-09-12587	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.45	—	—	0.01	SU	Y	H	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	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	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.19	—	—	0.01	SU	Y	H	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.38	—	—	0.01	SU	Y	H	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.43	—	—	0.01	SU	Y	H	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	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	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	4.4	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	3.2	—	—	1.45	mg/L	Y	J	J	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	1.45	—	—	1.45	mg/L	Y	U	U	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	N	4	—	—	1.45	mg/L	Y	U	U	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.06	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3	ALK-CO3	Y	6.06	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	110	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	1.45	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91.8	—	—	1.45	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	91.4	—	—	1.45	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	129	—	—	1.45	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	123	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	124	—	—	0.725	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	11100	—	—	68	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC

Table C-2 Analytical Detects 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	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	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	Y	5620	—	—	68	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	9660	—	—	68	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	Y	9090	—	—	68	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	1420	—	—	68	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Aluminum	Al	Y	325	—	—	68	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.00212	0.0056	0.0518	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.00755	0.00666	0.0407	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0166	0.00711	0.0383	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	4.35	—	—	2	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	4.51	—	—	2	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.63	—	—	2	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	3.68	—	—	2	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.42	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.18	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.98	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	3.67	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.03	—	—	1.7	µg/L	Y	J	J	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.63	—	—	1.7	µg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.52	—	—	1.7	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	3.33	—	—	1.7	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	3.67	—	—	1.5	µg/L	Y	J	J	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	102	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	118	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	74.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	75.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	65.7	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	66.2	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	203	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	184	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	90.4	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC

Table C-2 Analytical Detects 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	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	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	77.4	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	73.6	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	75	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Barium	Ba	Y	53.6	—	—	1	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	32.5	—	—	15	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	32	—	—	15	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	32.7	—	—	15	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	23.5	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	23.8	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	28.7	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	27.7	—	—	15	µg/L	Y	J	J	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	40.2	—	—	15	µg/L	Y	J	J	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	39.7	—	—	15	µg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	37.1	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	36.6	—	—	15	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Boron	B	Y	26	—	—	15	µg/L	Y	J	J	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	39.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	38.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	38.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	32.4	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	32.4	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	46.4	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	41.6	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	41.8	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	40.9	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	39.9	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	39.7	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Calcium	Ca	Y	38.5	—	—	0.05	mg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-0.156	0.94	3.51	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:901.1	Cesium-137	Cs-137	N	1.44	1.2	4.95	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-1.07	1.16	3.91	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.19	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	5.14	—	—	0.067	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.12	—	—	0.067	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	4.15	—	—	0.067	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	7.16	—	—	0.067	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	7.36	—	—	0.067	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	7.31	—	—	0.067	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.402	1.17	4.45	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:901.1	Cobalt-60	Co-60	N	1.89	1.14	5.38	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	-0.827	0.952	3.56	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	Y	1.06	—	—	0.3	µg/L	Y	—	J	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.25	—	—	3.25	µg/L	Y	U	UJ	N3B-2020-47	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.13	—	—	3.13	µg/L	Y	U	UJ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.06	—	—	3.06	µg/L	Y	U	UJ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-195	CAWR-18-147426	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2018-195	CAWR-18-147406	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.19	—	—	3.19	µg/L	Y	U	U	2018-195	CAWR-18-147406	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	3.23	—	—	3.23	µg/L	Y	U	U	2018-195	CAWR-18-147426	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	RE	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	10.5	—	—	3.16	µg/L	N	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	10.1	—	—	3.03	µg/L	Y	U	UJ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Dichlorobenzene[1,3-]	541-73-1	N	1	—	—	0.3	µg/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	5.1	—	—	1.53	µg/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	SVOC	SW-846:8270D	Dichlorobenzene[1,3-]	541-73-1	N	5.1	—	—	1.53	µg/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.345	—	—	0.033	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC

Table C-2 Analytical Detects 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	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	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.245	—	—	0.033	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.245	—	—	0.033	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.384	—	—	0.033	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.432	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.433	—	—	0.033	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	Y	6.22	1.51	2.94	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:900	Gross alpha	GROSSA	Y	2.46	0.797	2.4	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	Y	5.22	0.856	1.87	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	4.12	0.668	1.94	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:900	Gross beta	GROSSB	N	1.62	0.897	2.86	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	3.44	0.739	2.16	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	41.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	134	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	127	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	130	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	103	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	102	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	152	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	138	—	—	0.453	mg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	137	—	—	0.453	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	133	—	—	0.453	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	128	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	129	—	—	0.453	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.35	mg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	12100	—	—	30	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	3270	—	—	30	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	6230	—	—	30	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	5740	—	—	30	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	883	—	—	30	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Iron	Fe	Y	260	—	—	30	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	2.2	—	—	0.5	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Lead	Pb	Y	2.13	—	—	0.5	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	5.96	—	—	0.5	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6020	Lead	Pb	Y	5.51	—	—	0.5	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.7	—	—	0.5	µg/L	Y	J	J	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Lead	Pb	Y	0.642	—	—	0.5	µg/L	Y	J	J	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.32	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	8.84	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.51	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	8.03	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.42	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.2	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	8.68	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	8.38	—	—	0.11	mg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.87	—	—	0.11	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.44	—	—	0.11	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.07	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	7.07	—	—	0.11	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Magnesium	Mg	Y	7.19	—	—	0.085	mg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	239	—	—	2	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	84.1	—	—	2	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	4.76	—	—	2	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	4.31	—	—	2	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.74	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.57	—	—	2	µg/L	Y	J	J	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	244	—	—	2	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	216	—	—	2	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	37.8	—	—	2	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.87	—	—	2	µg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.36	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC

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Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	2.28	—	—	2	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Manganese	Mn	Y	41.9	—	—	2	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.75	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.7	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.93	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.81	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.97	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.96	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.95	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.93	—	—	0.2	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	7.11	—	—	0.3	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	7.76	—	—	0.3	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	6.99	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	6.87	—	—	0.165	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	5.52	—	—	0.1	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-0.128	1.53	5.42	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:901.1	Neptunium-237	Np-237	N	-3.15	2.38	8.03	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-2.75	2.5	8.09	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	3.13	—	—	0.6	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	3.15	—	—	0.6	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.647	—	—	0.6	µg/L	Y	J	J	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	0.763	—	—	0.6	µg/L	Y	J	J	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	6.09	—	—	0.6	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	5.93	—	—	0.6	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.33	—	—	0.5	µg/L	Y	J	J	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.593	—	—	0.5	µg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.718	—	—	0.5	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	0.556	—	—	0.5	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC

Table C-2 Analytical Detects 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	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	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	Y	1.63	—	—	0.5	µg/L	Y	J	J	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0791	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0784	—	—	0.017	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.146	—	—	0.017	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.149	—	—	0.017	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.035	—	—	0.017	mg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0562	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.0597	—	—	0.017	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Dioxins Furans	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	0.0	10/10/2018	WS	UF	INIT	REG	Dioxins Furans	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	0.0	10/10/2018	WS	UF	INIT	FD	Dioxins Furans	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	0.0	10/04/2017	WS	UF	INIT	REG	Dioxins Furans	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	0.0	10/04/2017	WS	UF	INIT	FD	Dioxins Furans	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	0.0	10/19/2016	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000112	—	—	0.0000373	µg/L	Y	U	U	2017-179	CAWR-16-126321	CFA
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Dioxins Furans	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000102	—	—	0.0000341	µg/L	Y	U	U	2016-41	CAWR-16-104421	CFA
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Dioxins Furans	SW-846:8290A	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	N	0.0000101	—	—	0.0000338	µg/L	Y	U	U	2016-41	CAWR-16-104397	CFA
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	10/10/2018	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0555	—	—	0.05	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0569	—	—	0.05	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0648	—	—	0.05	µg/L	Y	J	J	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0622	—	—	0.05	µg/L	Y	J	J	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0767	—	—	0.05	µg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0846	—	—	0.05	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.0656	—	—	0.05	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00224	0.00922	0.0445	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.000000000852	0.00626	0.0397	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00465	0.0362	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00894	0.00707	0.0514	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00766	0.00921	0.0518	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00233	0.00771	0.0471	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.08	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	3.66	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.24	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.22	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	4.39	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	4.15	—	—	0.05	mg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	3.14	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.8	—	—	0.05	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	2.83	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	2.9	—	—	0.05	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Potassium	K	Y	2.93	—	—	0.05	mg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	3.95	16.4	39.9	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:901.1	Potassium-40	K-40	N	-0.975	16.4	62.9	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	-9.72	16	64.5	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	07/30/2008	WS	UF	INIT	REG	Rad	EPA:903.1	Radium-226	Ra-226	N	0.371	0.16	0.46	—	pCi/L	Y	U	U	08-1596	CAWR-08-12212	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Rad	Generic:Radium by Calculation	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	0.0	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	0.0	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	0.0	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	0.0	07/30/2008	WS	UF	INIT	REG	Rad	EPA:904	Radium-228	Ra-228	N	0.421	0.15	0.41	—	pCi/L	Y	—	U	08-1596	CAWR-08-12212	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	16.9	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	17.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	17.9	—	—	0.053	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC

Table C-2 Analytical Detects 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	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	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	17.8	—	—	0.053	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.3	—	—	0.053	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	21	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	20.6	—	—	0.053	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	27.8	—	—	0.053	mg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	05/14/2009	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	39.8	—	—	0.032	mg/L	Y	N	J+	09-1884	CAWR-09-8350	GELC
Rio Grande at Otowi Bridge	0.0	07/30/2008	WS	UF	INIT	REG	Inorganic	SW-846:6010B	Silicon Dioxide	SiO2	Y	26.6	—	—	0.032	mg/L	Y	N*	J+	08-1595	CAWR-08-12212	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	0.166	—	—	0.1	mg/L	Y	J	J	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	17.2	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	17.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	14.7	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	14.5	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	22.4	—	—	0.1	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	22.9	—	—	0.1	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	20.9	—	—	0.1	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Sodium	Na	Y	20.8	—	—	0.1	mg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	0.81	1.16	4.54	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:901.1	Sodium-22	Na-22	N	1.28	1.53	5.17	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	-0.356	1.19	4.64	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	274	—	—	1	uS/cm	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	344	—	—	1	uS/cm	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	345	—	—	1	uS/cm	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	289	—	—	1	uS/cm	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	290	—	—	1	uS/cm	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	362	—	—	1	uS/cm	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	325	—	—	3.63	uS/cm	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	329	—	—	3.63	uS/cm	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	34.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	304	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	291	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	296	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	252	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	249	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	330	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	320	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	345	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	341	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	310	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	297	—	—	1	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Strontium	Sr	Y	280	—	—	1	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	0.44	0.161	0.474	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.213	0.103	0.476	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.267	0.104	0.466	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	59.4	—	—	0.532	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	58.8	—	—	0.532	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	38.5	—	—	0.665	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	38.3	—	—	0.665	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	45.7	—	—	0.665	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	40.4	—	—	1.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	40.6	—	—	1.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5	—	—	—	deg C	Y	—	NQ	N3B-2020-47	CAWR-20-186469	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2020-48	CAWR-20-186470	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.2	—	—	—	deg C	Y	—	NQ	N3B-2020-51	CAWR-20-186470	CFA
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.3	—	—	—	deg C	Y	—	NQ	N3B-2019-104	CAWR-19-162018	CFA
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	5.3	—	—	—	deg C	Y	—	NQ	N3B-2019-104	CAWR-19-162020	CFA
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC

Table C-2 Analytical Detects 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	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	0.0	10/04/2017	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147406	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-195	CAWR-18-147426	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.1	—	—	—	deg C	Y	—	NQ	2018-205	CAWR-18-147406	CFA
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.1	—	—	—	deg C	Y	—	NQ	2018-423	CAWR-18-147426	CFA
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	186	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	190	—	—	3.4	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	166	—	—	3.4	mg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	169	—	—	3.4	mg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	254	—	—	3.4	mg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	221	—	—	3.4	mg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.37	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.39	—	—	0.33	mg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	3.55	—	—	0.66	mg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	3.15	—	—	0.33	mg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.41	—	—	0.33	mg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.26	—	—	0.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.31	—	—	0.33	mg/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/07/2019	WS	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	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	0.0	10/10/2018	WS	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	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	0.0	10/10/2018	WS	UF	INIT	FD	Rad	Generic:Low_Level_Tritium	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	0.0	10/04/2017	WS	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	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	0.0	10/04/2017	WS	UF	INIT	FD	Rad	Generic:Low_Level_Tritium	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	Y	14.842	2.373	1.857	—	pCi/L	Y	—	J-	2017-182	CAWR-16-126321	ARSL
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	Generic:Low_Level_Tritium	Tritium	H-3	Y	12.29	2.042	2.202	—	pCi/L	Y	—	NQ	2016-53	CAWR-16-104421	ARSL
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	Generic:Low_Level_Tritium	Tritium	H-3	Y	13.128	2.143	2.049	—	pCi/L	Y	—	NQ	2016-53	CAWR-16-104397	ARSL
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.92	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	1.91	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.75	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	1.79	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	1.47	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147339	GELC

Table C-2 Analytical Detects 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	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	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	1.41	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	2.02	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	1.86	—	—	0.067	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	3.1	—	—	0.067	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	3	—	—	0.067	µg/L	Y	—	NQ	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	3.02	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	3.1	—	—	0.067	µg/L	Y	—	NQ	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	3.53	—	—	0.05	µg/L	Y	—	NQ	10-1446	CAWR-10-11781	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	1.56	0.0957	0.29	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	1.53	0.0669	0.125	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	1.55	0.0605	0.102	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0844	0.0284	0.151	—	pCi/L	Y	U	U	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0786	0.0189	0.1	—	pCi/L	Y	U	U	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0436	0.0151	0.0817	—	pCi/L	Y	U	U	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	10/19/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	1.04	0.0781	0.195	—	pCi/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	FD	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	1.09	0.0564	0.0916	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104397	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.99	0.0488	0.0745	—	pCi/L	Y	—	NQ	2016-38	CAWR-16-104421	GELC
Rio Grande at Otowi Bridge	0.0	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	0.0	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	0.0	10/10/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	42.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162018	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	8.65	—	—	1	µg/L	Y	—	NQ	N3B-2019-100	CAWR-19-162020	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.1	—	—	1	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162017	GELC
Rio Grande at Otowi Bridge	0.0	10/10/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	3.01	—	—	1	µg/L	Y	J	J	N3B-2019-100	CAWR-19-162019	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.27	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147339	GELC

Table C-2 Analytical Detects 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	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	0.0	10/04/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	3.52	—	—	1	µg/L	Y	J	J	2018-195	CAWR-18-147388	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	14.9	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147340	GELC
Rio Grande at Otowi Bridge	0.0	10/04/2017	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	13.7	—	—	1	µg/L	Y	—	NQ	2018-195	CAWR-18-147390	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.68	—	—	1	µg/L	Y	—	NQ	2017-176	CAWR-16-126321	GELC
Rio Grande at Otowi Bridge	0.0	10/19/2016	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.04	—	—	1	µg/L	Y	J	J	2017-176	CAWR-16-126347	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.14	—	—	1	µg/L	Y	J	J	2016-38	CAWR-16-104439	GELC
Rio Grande at Otowi Bridge	0.0	10/09/2015	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	4.19	—	—	1	µg/L	Y	J	J	2016-38	CAWR-16-104399	GELC
Rio Grande at Otowi Bridge	0.0	01/26/2010	WS	UF	INIT	FD	Inorganic	SW-846:6010B	Vanadium	V	Y	3.83	—	—	1	µg/L	Y	J	J	10-1446	CAWR-10-11781	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.72	—	—	0.01	SU	Y	H	NQ	2016-1993	CASA-16-124349	GELC
Sandia below Wetlands	0.0	08/20/2015	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	2015-2227	CASA-15-102655	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.3	—	—	0.725	mg/L	Y	—	NQ	2016-1993	CASA-16-124349	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	119	—	—	0.725	mg/L	Y	—	NQ	2015-2227	CASA-15-102655	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	164	—	—	68	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	474	—	—	68	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	141	—	—	68	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	131	—	—	68	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	-0.00713	0.016	0.0952	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	-0.00661	0.0132	0.0531	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.126	—	—	0.017	mg/L	Y	—	U	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.134	—	—	0.017	mg/L	Y	—	U	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.12	—	—	0.017	mg/L	Y	—	U	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0853	—	—	0.017	mg/L	Y	—	U	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.25	—	—	2	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.1	—	—	2	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.39	—	—	2	µg/L	Y	J	J	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.99	—	—	2	µg/L	Y	J	J	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.17	—	—	2	µg/L	Y	J	J	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.5	—	—	2	µg/L	Y	J	J	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.57	—	—	2	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.86	—	—	2	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.68	—	—	2	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.71	—	—	2	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.92	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.17	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.88	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.62	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	32.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	30.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	30	—	—	1	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20	—	—	1	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	21.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	27.4	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.4	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	22.6	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	21.1	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	24.6	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	24.3	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	65.3	—	—	15	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	64.4	—	—	15	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	51.8	—	—	15	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	52.8	—	—	15	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	15	—	—	15	µg/L	Y	U	U	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	N	75	—	—	75	µg/L	Y	U	U	N3B-2019-534	CASA-19-164310	GELC

Table C-2 Analytical Detects 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	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	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	39.7	—	—	15	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	36.5	—	—	15	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	40.7	—	—	15	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	37.2	—	—	15	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	48.7	—	—	15	µg/L	Y	J	J	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	48.6	—	—	15	µg/L	Y	J	J	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	53.9	—	—	15	µg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	48.9	—	—	15	µg/L	Y	J	J	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	2.92	—	—	0.067	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	2.92	—	—	0.067	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.8	—	—	0.067	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.81	—	—	0.067	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	18.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	14	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	14.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.8	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.3	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	2.88	1.37	4.35	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	-1.91	1.51	4.35	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	41.8	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	41.7	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC

Table C-2 Analytical Detects 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	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	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	29.4	—	—	0.268	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	29.6	—	—	0.268	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	3.76	—	—	3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.47	—	—	3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	N	3	—	—	3	µg/L	Y	U	U	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	3.06	—	—	3	µg/L	Y	J	J	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.9	—	—	3	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.87	—	—	3	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.64	—	—	3	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	5.32	—	—	3	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.77	—	—	3	µg/L	Y	J	J	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Chromium	Cr	Y	4.62	—	—	3	µg/L	Y	J	J	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Chromium	Cr	Y	4.94	—	—	3	µg/L	Y	J	J	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Chromium	Cr	Y	5.11	—	—	3	µg/L	Y	J	J	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	1.26	1.43	5.74	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.215	1.06	3.93	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.438	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.429	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.316	—	—	0.033	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.355	—	—	0.033	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	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	0.0	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
Sandia below Wetlands	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	Y	4.2	1.29	2.9	—	pCi/L	Y	—	NQ	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	-0.263	0.706	2.91	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	12.2	0.463	0.853	—	pCi/L	Y	—	NQ	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	N	1.04	0.751	2.51	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	65.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC

Table C-2 Analytical Detects 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	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	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	65.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	75.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	76.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	67.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	54.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	48.5	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	53.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	51.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	58.1	—	—	0.453	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.5	—	—	0.453	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	Hardness	Y	61.4	—	—	0.453	mg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	Hardness	Y	59.8	—	—	0.453	mg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	430	—	—	30	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	789	—	—	30	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	245	—	—	30	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	194	—	—	30	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	212	—	—	30	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	271	—	—	30	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	993	—	—	30	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	873	—	—	30	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	715	—	—	30	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	658	—	—	30	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	398	—	—	30	µg/L	Y	—	J+	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	409	—	—	30	µg/L	Y	—	J+	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	573	—	—	30	µg/L	Y	—	J+	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	566	—	—	30	µg/L	Y	—	J+	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.801	—	—	0.5	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.581	—	—	0.5	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	Y	0.587	—	—	0.5	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Lead	Pb	N	0.5	—	—	0.5	µg/L	Y	U	U	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.43	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.45	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.07	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.11	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.11	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC

Table C-2 Analytical Detects 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	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	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	5.09	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.73	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.3	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.66	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	3.47	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.51	—	—	0.11	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.6	—	—	0.11	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.69	—	—	0.11	mg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.62	—	—	0.11	mg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	101	—	—	2	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	119	—	—	2	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.3	—	—	2	µg/L	Y	J	J	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.51	—	—	2	µg/L	Y	J	J	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	7.75	—	—	2	µg/L	Y	J	J	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	9.83	—	—	2	µg/L	Y	J	J	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	109	—	—	2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	93.3	—	—	2	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	90.1	—	—	2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	83.8	—	—	2	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	38.8	—	—	2	µg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	39.2	—	—	2	µg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	49.1	—	—	2	µg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	49.4	—	—	2	µg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	2.25	—	—	1	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1	—	—	1	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	08/08/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1	—	—	1	µg/L	Y	U	U	2017-2415	CASA-17-142050	GELC
Sandia below Wetlands	0.0	08/08/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.71	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.76	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	2.01	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.98	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.9	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.82	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.57	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.58	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.62	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.92	—	—	0.2	µg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC

Table C-2 Analytical Detects 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	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	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.76	—	—	0.2	µg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.84	—	—	0.2	µg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.82	—	—	0.2	µg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-1.98	2.54	8.69	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	1.86	1.83	6.62	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.04	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.615	—	—	0.6	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.684	—	—	0.6	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.682	—	—	0.6	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.192	—	—	0.017	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.189	—	—	0.017	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.21	—	—	0.017	mg/L	Y	—	J+	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.209	—	—	0.017	mg/L	Y	—	J+	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	07/24/2018	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	08/08/2017	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	N	0.05	—	—	0.05	µg/L	Y	U	U	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	0.0	08/08/2016	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.12	—	—	0.05	µg/L	Y	J	J	2016-1993	CASA-16-124349	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.113	—	—	0.05	µg/L	Y	J	J	2015-2227	CASA-15-102655	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00506	0.0182	0.0804	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0121	0.00937	0.0485	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0101	0.016	0.0931	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0121	0.00872	0.0433	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	13.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	14.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	37.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	38.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11.4	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	10.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	11	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	10.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	8.64	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	8.75	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.06	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	8.84	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	41.8	18.9	43.3	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	9.4	14	35.2	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	70.8	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	62.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	11/28/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	91.9	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148735	GELC
Sandia below Wetlands	0.0	11/28/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	90.5	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148745	GELC
Sandia below Wetlands	0.0	08/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	67.6	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142079	GELC
Sandia below Wetlands	0.0	08/08/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.4	—	—	0.053	mg/L	Y	—	NQ	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	52.4	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	52.9	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	146	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	149	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	58.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	58.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	47.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	43.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	47	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC

Table C-2 Analytical Detects 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	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	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	45.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	48.2	—	—	0.1	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	48.9	—	—	0.1	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	50.6	—	—	0.1	mg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	49	—	—	0.1	mg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	-0.955	1.17	4.23	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	0.855	1.1	3.74	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	433	—	—	1	uS/cm	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	380	—	—	1	uS/cm	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	397	—	—	1	uS/cm	Y	—	NQ	2017-2415	CASA-17-142049	GELC
Sandia below Wetlands	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	275	—	—	3.63	uS/cm	Y	—	NQ	2016-1993	CASA-16-124349	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	443	—	—	1	uS/cm	Y	—	NQ	2015-2227	CASA-15-102655	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	80.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	82.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	88.2	—	—	1	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	89.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	57.1	—	—	1	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	57.6	—	—	1	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	70.3	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	62.4	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	67.7	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	64.7	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	68.6	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	69.4	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	72.1	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	70.3	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.0548	0.12	0.465	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	0.124	0.0914	0.304	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	8.54	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	8.51	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC

Table C-2 Analytical Detects 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	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	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	11.5	—	—	0.133	mg/L	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.7	—	—	—	deg C	Y	—	NQ	N3B-2019-964	CASA-19-166820	CFA
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	N3B-2019-583	CASA-19-164310	CFA
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.6	—	—	—	deg C	Y	—	NQ	N3B-2018-3191	CASA-18-159936	CFA
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-157873	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-157874	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.2	—	—	—	deg C	Y	—	NQ	2018-2645	CASA-18-154880	CFA
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.2	—	—	—	deg C	Y	—	NQ	2018-2645	CASA-18-154899	CFA
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	211	—	—	3.4	mg/L	Y	—	NQ	2016-1993	CASA-16-124349	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	320	—	—	3.4	mg/L	Y	—	NQ	2015-2227	CASA-15-102655	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.754	—	—	0.033	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.357	—	—	0.033	mg/L	Y	—	NQ	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	9.51	—	—	0.33	mg/L	Y	—	NQ	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	4.12	—	—	0.33	mg/L	Y	—	NQ	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.67	—	—	0.02	mg/L	Y	—	J+	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.58	—	—	0.02	mg/L	Y	—	J+	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.73	—	—	0.02	mg/L	Y	—	J+	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.68	—	—	0.02	mg/L	Y	—	J+	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.137	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.126	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.223	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.214	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.512	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.395	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.098	—	—	0.067	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.101	—	—	0.067	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.096	—	—	0.067	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.098	—	—	0.067	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.136	—	—	0.067	µg/L	Y	J	J	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.131	—	—	0.067	µg/L	Y	J	J	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.153	—	—	0.067	µg/L	Y	J	J	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.139	—	—	0.067	µg/L	Y	J	J	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.122	0.0247	0.118	—	pCi/L	Y	—	NQ	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.158	0.0228	0.118	—	pCi/L	Y	—	NQ	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0154	0.106	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0381	0.0134	0.0835	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	N	0.0632	0.0237	0.095	—	pCi/L	Y	U	U	2016-1993	CASA-16-124333	GELC
Sandia below Wetlands	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	N	0.0788	0.0162	0.109	—	pCi/L	Y	U	U	2015-2227	CASA-15-102641	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.44	—	—	1	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.95	—	—	1	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.86	—	—	1	µg/L	Y	J	J	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.05	—	—	1	µg/L	Y	J	J	N3B-2019-952	CASA-19-166819	GELC

Table C-2 Analytical Detects 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	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	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.75	—	—	1	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	7.14	—	—	1	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	4.07	—	—	1	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.57	—	—	1	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.81	—	—	1	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.39	—	—	1	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	2.98	—	—	1	µg/L	Y	J	J	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	2.78	—	—	1	µg/L	Y	J	J	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.36	—	—	1	µg/L	Y	J	J	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	2.78	—	—	1	µg/L	Y	J	J	2018-2644	CASA-18-154899	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	23.3	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182749	GELC
Sandia below Wetlands	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	27.6	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182750	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	14.8	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166820	GELC
Sandia below Wetlands	0.0	02/25/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	14.5	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-952	CASA-19-166819	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	17.2	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164309	GELC
Sandia below Wetlands	0.0	11/26/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	18.6	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-534	CASA-19-164310	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	17.3	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159883	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	12.3	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159936	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	12.4	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159882	GELC
Sandia below Wetlands	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	10.6	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159935	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	5.69	—	—	3.3	µg/L	Y	J	J	2018-2644	CASA-18-154881	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	8.78	—	—	3.3	µg/L	Y	J	J	2018-2644	CASA-18-154897	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	15.4	—	—	3.3	µg/L	Y	—	NQ	2018-2644	CASA-18-154880	GELC
Sandia below Wetlands	0.0	05/30/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	6.89	—	—	3.3	µg/L	Y	J	J	2018-2644	CASA-18-154899	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2016-1992	CASA-16-124350	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	F	INIT	FD	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.23	—	—	0.01	SU	Y	H	NQ	2016-1992	CASA-16-124312	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	NQ	2015-2227	CASA-15-102656	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.3	—	—	0.725	mg/L	Y	—	NQ	2016-1992	CASA-16-124350	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	F	INIT	FD	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.3	—	—	0.725	mg/L	Y	—	NQ	2016-1992	CASA-16-124312	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	92.3	—	—	0.725	mg/L	Y	—	NQ	2015-2227	CASA-15-102656	GELC

Table C-2 Analytical Detects 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	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	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	105	—	—	68	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	78.5	—	—	68	µg/L	Y	J	J	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	Y	70.3	—	—	68	µg/L	Y	J	J	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	146	—	—	68	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	131	—	—	68	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	N	68	—	—	68	µg/L	Y	U	U	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.00385	0.00667	0.0514	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	HASL-300:AM-241	Americium-241	Am-241	N	0.0964	0.059	0.321	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:AM-241	Americium-241	Am-241	N	-0.00618	0.0157	0.0496	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0864	—	—	0.017	mg/L	Y	—	U	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.106	—	—	0.017	mg/L	Y	—	U	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0889	—	—	0.017	mg/L	Y	—	U	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.98	—	—	2	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	3.4	—	—	2	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.59	—	—	2	µg/L	Y	J	J	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.48	—	—	2	µg/L	Y	J	J	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.4	—	—	2	µg/L	Y	J	J	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.38	—	—	2	µg/L	Y	J	J	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.29	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.02	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.1	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Arsenic	As	Y	2.05	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.76	—	—	2	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.81	—	—	2	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.65	—	—	2	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.56	—	—	2	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159927	GELC

Table C-2 Analytical Detects 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	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	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.13	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Arsenic	As	Y	2.16	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	28.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	29.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	37.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	37.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	36.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	35.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.7	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	20.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Barium	Ba	Y	21.8	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	17.5	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	15.2	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	16.8	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	15.7	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	21.3	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Barium	Ba	Y	21.6	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	79	—	—	15	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	72.8	—	—	15	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	59.4	—	—	15	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	60.8	—	—	15	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	64.6	—	—	15	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	61.5	—	—	15	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	52.5	—	—	15	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	54.7	—	—	15	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	51.8	—	—	15	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Boron	B	Y	54.3	—	—	15	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	61.7	—	—	15	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	56.6	—	—	15	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	57.3	—	—	15	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	56.3	—	—	15	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	45.2	—	—	15	µg/L	Y	J	J	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Boron	B	Y	47.2	—	—	15	µg/L	Y	J	J	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	3.15	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	3.1	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Bromide	Br(-1)	Y	1.46	—	—	0.067	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	Y	0.62	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	Y	0.93	—	—	0.3	µg/L	Y	J	J	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	Y	0.88	—	—	0.3	µg/L	Y	J	J	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromodichloromethane	75-27-4	Y	0.6	—	—	0.3	µg/L	Y	J	J	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	Y	0.73	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	Y	1.24	—	—	0.3	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	VOC	SW-846:8260B	Bromoform	75-25-2	Y	1.21	—	—	0.3	µg/L	Y	—	NQ	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Bromoform	75-25-2	Y	3.92	—	—	0.3	µg/L	Y	—	J+	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	22.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	21.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	20.7	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.1	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	15.8	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.46	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.22	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	9.26	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	8.64	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	12.2	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Calcium	Ca	Y	12.4	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	1.36	1.89	7.15	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:901.1	Cesium-137	Cs-137	N	0.538	1.36	5.32	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Cesium-137	Cs-137	N	1.4	1.2	3.94	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	41.4	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	40.9	—	—	0.67	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Chloride	Cl(-1)	Y	16.1	—	—	0.134	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	Y	0.42	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	Y	1.58	—	—	0.3	µg/L	Y	—	NQ	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	Y	1.62	—	—	0.3	µg/L	Y	—	NQ	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Chlorodibromomethane	124-48-1	Y	2.14	—	—	0.3	µg/L	Y	—	NQ	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.66	—	—	0.3	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	N	0.3	—	—	0.3	µg/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.42	—	—	0.3	µg/L	Y	J	J	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.48	—	—	0.3	µg/L	Y	J	J	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	1	—	—	0.3	µg/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	0.524	1.66	6.7	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:901.1	Cobalt-60	Co-60	N	-0.366	1.53	5.86	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Cobalt-60	Co-60	N	2.89	1.06	4.2	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.238	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC

Table C-2 Analytical Detects 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	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.246	—	—	0.033	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Fluoride	F(-1)	Y	0.277	—	—	0.033	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	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
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	1.67	0.956	2.92	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:900	Gross alpha	GROSSA	N	2.14	0.969	2.91	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:900	Gross alpha	GROSSA	N	-0.358	0.713	2.99	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	5.58	0.478	1.35	—	pCi/L	Y	—	NQ	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:900	Gross beta	GROSSB	Y	6.99	0.46	1.19	—	pCi/L	Y	—	NQ	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:900	Gross beta	GROSSB	Y	5.97	1.11	2.7	—	pCi/L	Y	—	NQ	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	80.3	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	81	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	79.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	77.9	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	80.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	78.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	59.4	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	61.1	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	59	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	61.2	—	—	0.453	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	34.7	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	30	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	33.8	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	31.6	—	—	0.453	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	46.9	—	—	0.453	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SM:A2340B	Hardness	HARDNESS	Y	47.5	—	—	0.453	mg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	73.8	—	—	30	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	125	—	—	30	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	103	—	—	30	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	98.1	—	—	30	µg/L	Y	J	J	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	72.1	—	—	30	µg/L	Y	J	J	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	70.5	—	—	30	µg/L	Y	J	J	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	51.3	—	—	30	µg/L	Y	J	J	N3B-2019-588	CASA-19-164297	GELC

Table C-2 Analytical Detects 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	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	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	44.9	—	—	30	µg/L	Y	J	J	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Iron	Fe	Y	39.5	—	—	30	µg/L	Y	J	J	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	156	—	—	30	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	136	—	—	30	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	87.7	—	—	30	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	Y	91.3	—	—	30	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Iron	Fe	N	30	—	—	30	µg/L	Y	U	U	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.22	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.23	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.87	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.68	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.62	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	6.43	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.68	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.83	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.71	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.82	—	—	0.11	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.69	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.31	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.6	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	2.43	—	—	0.11	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.01	—	—	0.11	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Magnesium	Mg	Y	4.04	—	—	0.11	mg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	9.91	—	—	2	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	15.9	—	—	2	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	15.2	—	—	2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	15.3	—	—	2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	14	—	—	2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	13.4	—	—	2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	5.94	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	6.26	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.07	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.3	—	—	2	µg/L	Y	J	J	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	11.1	—	—	2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	9.47	—	—	2	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159928	GELC

Table C-2 Analytical Detects 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	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	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	9.01	—	—	2	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	8.35	—	—	2	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	3.35	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Manganese	Mn	Y	4.41	—	—	2	µg/L	Y	J	J	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	Y	2.46	—	—	1	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1	—	—	1	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1	—	—	1	µg/L	Y	U	U	2017-2415	CASA-17-142038	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	1	—	—	1	µg/L	Y	U	U	2017-2415	CASA-17-142041	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	VOC	SW-846:8260B	Methylene Chloride	75-09-2	N	10	—	—	3	µg/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	2.38	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	2.5	—	—	0.2	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.31	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.24	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.04	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	3.09	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.59	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.46	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.5	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.2	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.28	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.2	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.59	—	—	0.2	µg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Molybdenum	Mo	Y	1.51	—	—	0.2	µg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	0.287	2.97	10.9	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:901.1	Neptunium-237	Np-237	N	3.7	3.2	12.1	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Neptunium-237	Np-237	N	-4.55	2.22	7.2	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	1.1	—	—	0.6	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-990	CASA-19-166814	GELC

Table C-2 Analytical Detects 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	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	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	Y	0.727	—	—	0.6	µg/L	Y	J	J	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Nickel	Ni	N	0.6	—	—	0.6	µg/L	Y	U	U	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.17	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.14	—	—	0.17	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1	—	—	0.017	mg/L	Y	—	J+	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	07/24/2018	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	08/08/2017	WS	F	INIT	REG	LCMS/MS Perchlorate	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	0.0	08/08/2017	WS	F	INIT	FD	LCMS/MS Perchlorate	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	0.0	08/08/2016	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.18	—	—	0.05	µg/L	Y	J	J	2016-1992	CASA-16-124350	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	F	INIT	FD	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.18	—	—	0.05	µg/L	Y	J	J	2016-1992	CASA-16-124312	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	F	INIT	REG	LCMS/MS Perchlorate	SW-846:6850	Perchlorate	ClO4	Y	0.204	—	—	0.05	µg/L	Y	—	NQ	2015-2227	CASA-15-102656	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.014	0.0123	0.074	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0103	0.0517	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00473	0.00669	0.0474	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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

Table C-2 Analytical Detects 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	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0093	0.0174	0.0857	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00325	0.00727	0.0599	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0166	0.00853	0.0423	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	18.3	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	18.5	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	8.92	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	9.32	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	9.06	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Potassium	K	Y	9.24	—	—	0.05	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	7.36	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	6.9	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	7.27	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	6.96	—	—	0.05	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	5.1	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Potassium	K	Y	5.26	—	—	0.05	mg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	-0.0279	22.2	87.2	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:901.1	Potassium-40	K-40	N	-23.4	14.7	51.1	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Potassium-40	K-40	N	28	16.3	36.1	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	88.7	—	—	0.053	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	57.2	—	—	0.053	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	11/28/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	87.7	—	—	0.053	mg/L	Y	—	NQ	2018-1102	CASA-18-148736	GELC
Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	60.4	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142080	GELC
Sandia right fork at Pwr Plant	0.0	08/10/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	58.6	—	—	0.053	mg/L	Y	—	NQ	2017-2456	CASA-17-142087	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	F	INIT	REG	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	58.5	—	—	0.053	mg/L	Y	—	NQ	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	F	INIT	FD	Inorganic	SW-846:6010C	Silicon Dioxide	SiO2	Y	59.5	—	—	0.053	mg/L	Y	—	NQ	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	70.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	70.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC

Table C-2 Analytical Detects 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	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	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	161	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	161	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	155	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	156	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	50.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	52.3	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	50.5	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Sodium	Na	Y	51.8	—	—	0.1	mg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	44.7	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	41	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	44.1	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	41.6	—	—	0.1	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	29.3	—	—	0.1	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Sodium	Na	Y	30.2	—	—	0.1	mg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	-2.15	1.78	5.99	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:901.1	Sodium-22	Na-22	N	-1.45	1.7	6.08	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:901.1	Sodium-22	Na-22	N	1.68	1.03	4.22	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	551	—	—	1	uS/cm	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	319	—	—	1	uS/cm	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	410	—	—	1	uS/cm	Y	—	NQ	2017-2415	CASA-17-142031	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2017	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	419	—	—	1	uS/cm	Y	—	NQ	2017-2415	CASA-17-142040	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	261	—	—	3.63	uS/cm	Y	—	NQ	2016-1992	CASA-16-124350	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	F	INIT	FD	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	263	—	—	3.63	uS/cm	Y	—	NQ	2016-1992	CASA-16-124312	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	318	—	—	1	uS/cm	Y	—	NQ	2015-2227	CASA-15-102656	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	88.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	89.2	—	—	1	µg/L	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	96.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	95.4	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	94	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	91.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	62.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	64.3	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	62.2	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC

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Location ID	Screen Depth	Sample Date	Sample Type	Field Preparation Code	Analysis Type Code	Sample Purpose	Method Category	Lab Method	Parameter Name	Parameter Code	Detected	Report Result	Lab Uncertainty	Report MDA	Report MDL	Report Unit	Best Value	Lab Qualifier	Validation Qualifier	COC #	Field Sample ID	Lab ID
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Strontium	Sr	Y	64.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	40.2	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	34.9	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	39.4	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	36.8	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	54	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Strontium	Sr	Y	55.3	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.115	0.493	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	EPA:905.0	Strontium-90	Sr-90	N	0.116	0.132	0.466	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	EPA:905.0	Strontium-90	Sr-90	N	-0.178	0.0787	0.29	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	15.9	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	15.9	—	—	0.133	mg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:300.0	Sulfate	SO4(-2)	Y	11.6	—	—	0.133	mg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4.7	—	—	—	deg C	Y	—	NQ	N3B-2019-985	CASA-19-166814	CFA
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	4.7	—	—	—	deg C	Y	—	NQ	N3B-2019-985	CASA-19-166827	CFA
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	1	—	—	—	deg C	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	2	—	—	—	deg C	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	4	—	—	—	deg C	Y	—	NQ	N3B-2019-583	CASA-19-164298	CFA
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	VOC	EPA:170.0	Temperature	TEMP	Y	3.1	—	—	—	deg C	Y	—	NQ	N3B-2019-583	CASA-19-164303	CFA
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	5.6	—	—	—	deg C	Y	—	NQ	N3B-2018-3191	CASA-18-159928	CFA

Table C-2 Analytical Detects 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	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	0.0	07/24/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3	—	—	—	deg C	Y	—	NQ	2018-2644	CASA-18-157871	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	VOC	EPA:170.0	Temperature	TEMP	Y	3.2	—	—	—	deg C	Y	—	NQ	2018-2645	CASA-18-154872	CFA
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	211	—	—	3.4	mg/L	Y	—	J	2016-1992	CASA-16-124350	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	F	INIT	FD	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	209	—	—	3.4	mg/L	Y	—	NQ	2016-1992	CASA-16-124312	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	F	INIT	REG	General Chemistry	EPA:160.1	Total Dissolved Solids	TDS	Y	253	—	—	3.4	mg/L	Y	—	NQ	2015-2227	CASA-15-102656	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.331	—	—	0.033	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	General Chemistry	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.275	—	—	0.033	mg/L	Y	—	NQ	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	3.44	—	—	0.33	mg/L	Y	—	NQ	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	3.56	—	—	0.33	mg/L	Y	—	NQ	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	General Chemistry	SW-846:9060	Total Organic Carbon	TOC	Y	2.25	—	—	0.33	mg/L	Y	—	NQ	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.05	—	—	0.02	mg/L	Y	—	J+	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.965	—	—	0.02	mg/L	Y	—	J+	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	General Chemistry	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.552	—	—	0.02	mg/L	Y	—	J+	2018-2644	CASA-18-154873	GELC

Table C-2 Analytical Detects 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	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.121	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.108	—	—	0.067	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.229	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.215	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.221	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.22	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.378	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.357	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.376	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6020	Uranium	U	Y	0.363	—	—	0.067	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.179	—	—	0.067	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.181	—	—	0.067	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.178	—	—	0.067	µg/L	Y	J	J	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.18	—	—	0.067	µg/L	Y	J	J	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.28	—	—	0.067	µg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6020	Uranium	U	Y	0.261	—	—	0.067	µg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	N	0.115	0.0315	0.182	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	HASL-300:ISOU	Uranium-234	U-234	N	0.118	0.0281	0.127	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-234	U-234	Y	0.161	0.0237	0.112	—	pCi/L	Y	—	NQ	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0184	0.163	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0157	0.0173	0.113	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0563	0.0147	0.0793	—	pCi/L	Y	U	U	2015-2227	CASA-15-102642	GELC
Sandia right fork at Pwr Plant	0.0	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	0.0	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	0.0	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
Sandia right fork at Pwr Plant	0.0	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	0.0	08/08/2016	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	N	0.127	0.0303	0.146	—	pCi/L	Y	U	U	2016-1992	CASA-16-124334	GELC
Sandia right fork at Pwr Plant	0.0	08/08/2016	WS	UF	INIT	FD	Rad	HASL-300:ISOU	Uranium-238	U-238	N	0.0931	0.0232	0.102	—	pCi/L	Y	U	U	2016-1992	CASA-16-124309	GELC
Sandia right fork at Pwr Plant	0.0	08/20/2015	WS	UF	INIT	REG	Rad	HASL-300:ISOU	Uranium-238	U-238	Y	0.129	0.0197	0.104	—	pCi/L	Y	—	NQ	2015-2227	CASA-15-102642	GELC

Table C-2 Analytical Detects 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	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	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.73	—	—	1	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	3.07	—	—	1	µg/L	Y	J	J	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.93	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.49	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	6.5	—	—	1	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	9.12	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	9.09	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.58	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Vanadium	V	Y	9.19	—	—	1	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.16	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.07	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	6.14	—	—	1	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	5.76	—	—	1	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.18	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Vanadium	V	Y	8.19	—	—	1	µg/L	Y	—	NQ	2018-2644	CASA-18-154872	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	58.5	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182736	GELC
Sandia right fork at Pwr Plant	0.0	07/26/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	62.8	—	—	3.3	µg/L	Y	—	J+	N3B-2019-2670	CASA-19-182737	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	59.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166814	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	59.3	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166827	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	55.6	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166813	GELC
Sandia right fork at Pwr Plant	0.0	02/28/2019	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	54.5	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-990	CASA-19-166826	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	29.7	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164297	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	F	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	31.5	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164301	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	32.1	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164298	GELC
Sandia right fork at Pwr Plant	0.0	11/29/2018	WS	UF	INIT	FD	Inorganic	SW-846:6010C	Zinc	Zn	Y	34	—	—	3.3	µg/L	Y	—	NQ	N3B-2019-588	CASA-19-164303	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	39.3	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159879	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	34.2	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159928	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	33.5	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3188	CASA-18-159909	GELC
Sandia right fork at Pwr Plant	0.0	07/24/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	32.2	—	—	3.3	µg/L	Y	—	NQ	N3B-2018-3184	CASA-18-159927	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	F	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	7.91	—	—	3.3	µg/L	Y	J	J	2018-2644	CASA-18-154873	GELC
Sandia right fork at Pwr Plant	0.0	05/30/2018	WS	UF	INIT	REG	Inorganic	SW-846:6010C	Zinc	Zn	Y	9.24	—	—	3.3	µg/L	Y	J	J	2018-2644	CASA-18-154872	GELC

Appendix D

Base Flow Results Greater Than Half of Screening Values

Location	Aquifer	Depth (ft)	Date	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	MDL	Report Units	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Codes	Best Value	Lab	Action Limit	Reporting Level Code	Result per Screening Level
Mortandad at Rio Grande	Base Flow	0.0	10/01/2019	F[a]	INIT[b]	REG[c]	Inorganic	SW-846:6010C	Copper	Cu	Y[d]	13.2	3.0	µg/L	1.0	J[e]	J	J_LAB[f]	Y	GELC[g]	9.7	NM Aqu Chronic[b] (based on 110 mg/L hardness)	1.36
Rio Grande at Otowi Bridge	Base Flow	0.0	10/07/2019	UF[i]	INIT	REG	Inorganic	SW-846:6010C	Aluminum	Al	Y	2740.0	68.0	µg/L	1.0	—	NQ[j]	NQ	Y	GELC	1561.5	NM Aqu Chronic (based on 110 mg/L hardness)	1.75

[a] F = Filtered.

[b] INIT = Initial.

[c] REG = Regular.

[d] Y = Yes.

[e] J = The associated numerical value is an estimated quantity.

[f] J_LAB = The analytical laboratory qualified the detected result as estimated because the result was less than the practical quantitation limit but greater than the method detection limit (MDL).

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

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

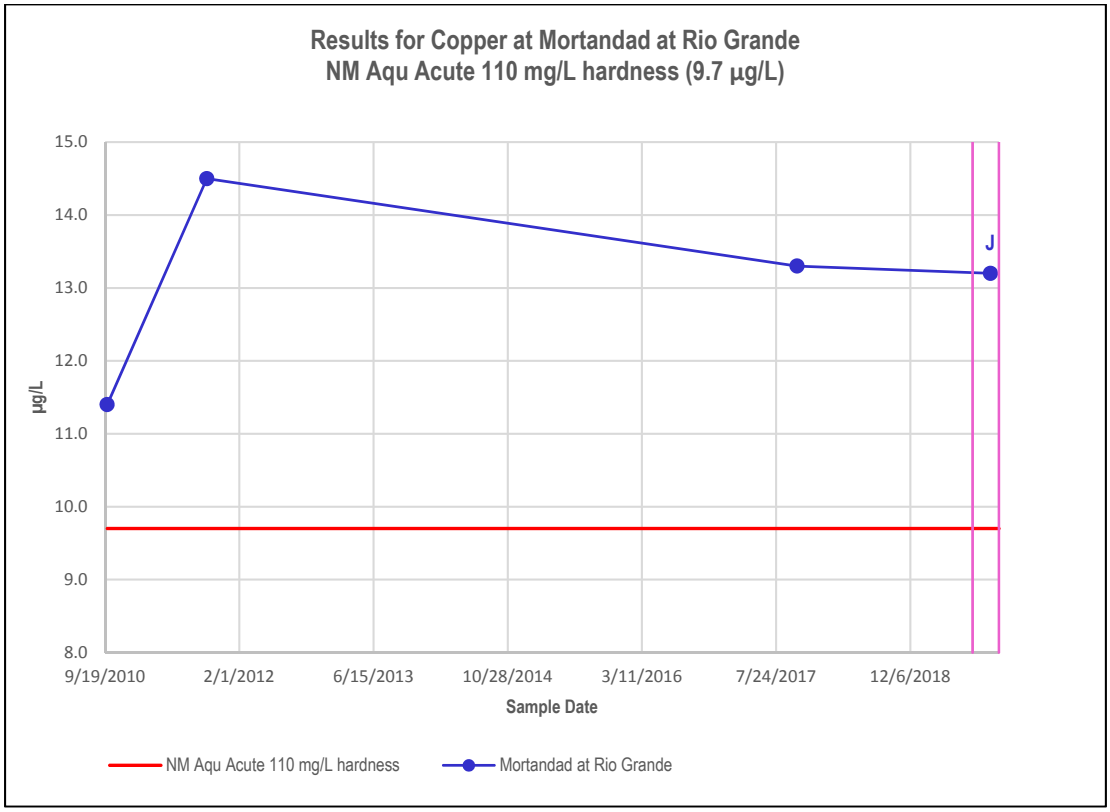
[i] UF = Unfiltered.

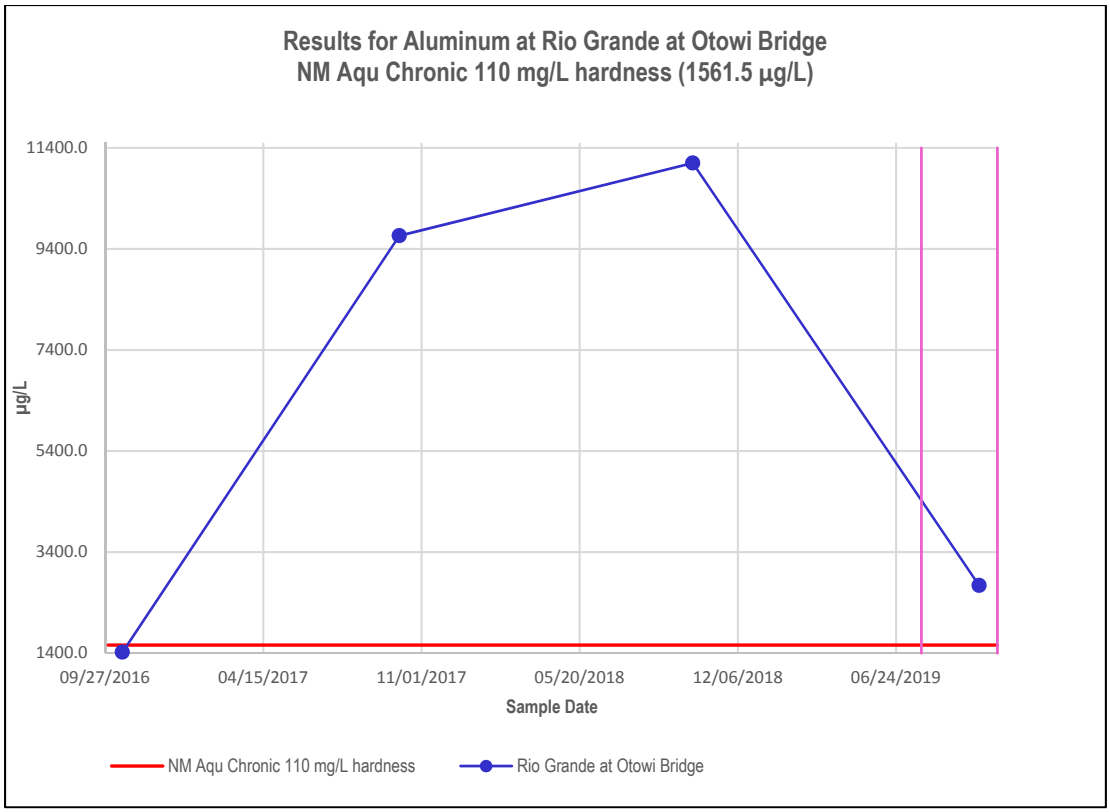
[j] NQ = Not qualified.

Appendix E

Analytical Chemistry Graphs of Screening-Value Exceedances

Note: Base flow locations are reported at 0 ft (see Table 2.0-1).





Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2019-2670	Inorganic	GELC[a]	CASA-19-182749	07/26/2019	Sandia below Wetlands	0.0	0.0
N3B-2019-2670	Inorganic	GELC	CASA-19-182750	07/26/2019	Sandia below Wetlands	0.0	0.0
N3B-2019-2670	Inorganic	GELC	CASA-19-182736	07/26/2019	Sandia right fork at Pwr Plant	0.0	0.0
N3B-2019-2670	Inorganic	GELC	CASA-19-182737	07/26/2019	Sandia right fork at Pwr Plant	0.0	0.0
N3B-2019-2670	Organic	GELC	CASA-19-182750	07/26/2019	Sandia below Wetlands	0.0	0.0
N3B-2019-2670	Organic	GELC	CASA-19-182737	07/26/2019	Sandia right fork at Pwr Plant	0.0	0.0
N3B-2019-2670	Rad[b]	GELC	CASA-19-182750	07/26/2019	Sandia below Wetlands	0.0	0.0
N3B-2019-2670	Rad	GELC	CASA-19-182737	07/26/2019	Sandia right fork at Pwr Plant	0.0	0.0
N3B-2020-12	Organic	SwRI[c]	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-12	Organic	SwRI	CAWR-20-188065	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-12	Organic	SwRI	CAWR-20-188066	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-16	Organic	GELC	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-16	Organic	GELC	CAWR-20-188067	10/02/2019	Rio Grande at Frijoles	0.0	0.0
N3B-2020-19	Organic	GELC	CAWR-20-188065	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-19	Organic	GELC	CAWR-20-188066	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-20	Inorganic	GELC	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-20	Inorganic	GELC	CAWR-20-188067	10/02/2019	Rio Grande at Frijoles	0.0	0.0
N3B-2020-20	Organic	GELC	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-20	Organic	GELC	CAWR-20-188067	10/02/2019	Rio Grande at Frijoles	0.0	0.0
N3B-2020-21	Inorganic	GELC	CAWR-20-188065	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-21	Inorganic	GELC	CAWR-20-188066	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-21	Organic	GELC	CAWR-20-188065	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-21	Organic	GELC	CAWR-20-188066	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-35	Organic	SwRI	CAWR-20-188067	10/02/2019	Rio Grande at Frijoles	0.0	0.0
N3B-2020-38	Inorganic	GELC	CAWR-20-186462	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-38	Inorganic	GELC	CAWR-20-186464	10/01/2019	Pajarito at Rio Grande	0.0	0.0

Chain of Custody	Parameter Category	Lab ID	Field Sample ID	Sample Date	Location ID	Screen Start (Top) Depth	Screen End (Bottom) Depth
N3B-2020-38	Inorganic	GELC	CAWR-20-188065	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-38	Inorganic	GELC	CAWR-20-188066	10/01/2019	Pajarito at Rio Grande	0.0	0.0
N3B-2020-40	Inorganic	GELC	CAWR-20-186459	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-40	Inorganic	GELC	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-40	Inorganic	GELC	CAWR-20-186467	10/02/2019	Rio Grande at Frijoles	0.0	0.0
N3B-2020-40	Inorganic	GELC	CAWR-20-188067	10/02/2019	Rio Grande at Frijoles	0.0	0.0
N3B-2020-40	Organic	GELC	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-40	Rad	GELC	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-42	Inorganic	CFA[d]	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-42	Organic	CFA	CAWR-20-186460	10/01/2019	Mortandad at Rio Grande	0.0	0.0
N3B-2020-47	Inorganic	GELC	CAWR-20-186469	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-47	Inorganic	GELC	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-47	Organic	GELC	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-47	Rad	GELC	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-48	Inorganic	GELC	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-48	Organic	GELC	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-51	Inorganic	CFA	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-51	Organic	CFA	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-57	Organic	SwRI	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0
N3B-2020-89	Rad	ARSL[e]	CAWR-20-186470	10/07/2019	Rio Grande at Otowi Bridge	0.0	0.0

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

[b] Rad = Radiochemistry (not gamma).

[c] SwRI = South West Research Institute, San Antonio, TX,

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

[e] ARSL = American Radiation Services, Inc.