ESHID-600057-01

LA-UR-14-28077
November 2014
EP2014-0493

Periodic Monitoring Report for Los Alamos and Pueblo Watershed General Surveillance Monitoring Group, June 2–June 18, 2014

Los Alamos
NATIONAL LABORATORY
EST. 1943

Prepared by the Environmental Programs Directorate

EP2014-0493

Periodic Monitoring Report for Los Alamos and Pueblo Watershed General Surveillance Monitoring Group, June 2–June 18, 2014

November 2014

Responsible project manager:

Printed Name	Signature	Title	Organization	Date
Steve Paris		Project Manager	Environmental Programs	11/10/14

Responsible LANS representative:

Printed Name	Signature	Title	Organization	Date
Randall Erickson		Acting Associate Director	Environmental Programs	11/10/14

Responsible DOE representative:

Printed Name	Signature	Title	Organization	Date
Peter Maggiore		Assistant Manager	DOE-NA-LA	11/24/14

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2014, third quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group. This PME was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2014 Monitoring Year, October 2013–September 2014, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from June 2 to June 18, 2014, and included the monitoring of groundwater wells or well screens, springs, and base-flow locations. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

Water samples collected from various locations during this PME were analyzed for metals; volatile organic compounds; semivolatile organic compounds; high explosives; radionuclides, including low-level tritium; general inorganic chemicals, including perchlorate; stable isotopes; and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

No results from previous sampling of PME surface-water monitoring locations are reported in this PMR. No surface-water results from the current PME are reported in this PMR.

No results from previous sampling of PME groundwater monitoring locations are reported in this PMR. One groundwater result from groundwater samples collected during this PME was above screening levels.

CONTENTS

Figure

Tables

Appendixes

Plate

Acronyms and Abbreviations

amsl	above mean sea level
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations (U.S.)
Consent Order	Compliance Order on Consent
DCS	Derived Concentration Technical Standard (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
gpm	gallons per minute
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDL	method detection limit
N	no (best value flag code)
NMED	New Mexico Environment Department
NM HH OO	Human health organism only, New Mexico surface-water standards
NMWQCC	New Mexico Water Quality Control Commission
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RPF	Records Processing Facility
SOP	standard operating procedure
TA	technical area
UF	unfiltered
Y	yes (best value flag code)

1.0 INTRODUCTION

This periodic monitoring report (PMR) provides documentation of fiscal year 2014, third quarter, annual groundwater and surface-water monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group. Monitoring was conducted pursuant to the Interim Facility-Wide Groundwater Monitoring Plan for the 2014 Monitoring Year, October 2013–September 2014 (2014 IFGMP) (LANL 2013, 241962), which was prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from June 2 to June 18, 2014, and included sampling of groundwater wells or well screens, springs, and surface-water locations.

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

Sections VIII.A and VIII.C of the Consent Order identify New Mexico Water Quality Control Commission (NMWQCC) groundwater and surface-water standards, including alternative abatement standards and U.S. Environmental Protection Agency (EPA) drinking water maximum contaminant levels (MCLs), as cleanup levels for groundwater when corrective action is implemented. NMWQCC groundwater standards, MCLs, and EPA regional screening levels for tap water are used as screening levels for monitoring data and are provided in this report.

This report presents the following information:

- general background information on the monitoring group
- field-measurement monitoring results
- water-quality monitoring results
- screening analysis results (comparing these PME results with screening levels and results from previous reports)
- a summary based on the data and the screening analysis

Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to the New Mexico Environment Department (NMED) in accordance with U.S. Department of Energy (DOE) policy.

1.1 Background

Most of the monitoring wells discussed in the 2014 IFGMP (LANL 2013, 241962) are assigned to area-specific monitoring groups related to project areas that may be located in more than one watershed. Locations that are not included within one of these six area-specific monitoring groups are assigned to the General Surveillance monitoring group. This PMR presents results from the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group.

Other wells in Los Alamos Canyon are assigned to the Technical Area 21 (TA-21) monitoring group. The TA-21 monitoring group is located in and around TA-21 and is primarily located in upper Los Alamos Canyon. TA-21 is located on the mesa north of Los Alamos Canyon, which is joined by DP Canyon, east of TA-21. TA-21 consists of two past operational areas, DP West and DP East, both of which produced

liquid and solid radioactive wastes. The operations at DP West included plutonium processing, while the operations at DP East included the production of weapons initiators and tritium research.

From 1952 to 1986, a liquid-waste treatment plant discharged effluent containing radionuclides from the former plutonium-processing facility at TA-21 into DP Canyon. Primary sources of contaminants in the vicinity of the TA-21 monitoring group include the effluent outfall [Solid Waste Management Unit 21-011(k)], the adsorption beds and disposal shafts at Material Disposal Area T, DP West, and waste lines and sumps. Other potential sources include DP East and leakage from an underground diesel fuel line. The monitoring objectives for the TA-21 monitoring group are based in part on the results and conclusions presented in the Los Alamos and Pueblo Canyons Investigation Report (LANL 2004, 087390) as well as on the NMED-approved Los Alamos and Pueblo Canyons Groundwater Monitoring Well Network Evaluation and Recommendations, Revision 1 (LANL 2008, 101330).

Los Alamos Canyon received releases of radioactive effluents during the earliest Manhattan Project operations at TA-01 (1942–1945) and until 1993 from nuclear reactors at TA-02. Los Alamos Canyon also received radionuclides and metals in discharges from the sanitary sewage lagoons and cooling towers at the Los Alamos Neutron Science Center at TA-53. Except for strontium-90, contaminant concentrations in shallow groundwater have decreased dramatically in recent decades.

Pueblo Canyon receives effluent from the new Los Alamos County Wastewater Treatment Plant (completed in 2007). Acid Canyon, a tributary, received radioactive industrial effluent from 1943 to 1964. Compared with past decades, little radioactivity is found in current groundwater samples.

2.0 SCOPE OF ACTIVITIES

The PME for the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group was conducted pursuant to the 2014 IFGMP (LANL 2013, 241962).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge or flow rate for each of the locations scheduled to be monitored. These locations are shown in Figure 2.0-1. Some locations on this map may not have been sampled.

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME are documented in the 2014 IFGMP (LANL 2013, 241962).

3.2 Field Parameter Results

Appendix A contains the field parameter results for this PME and for the four previous PMEs.

3.3 Groundwater Elevations and Base-Flow Observations

The periodic monitoring water-level data for the previous 2 yr are presented in Appendix B (on CD included with this document). For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements were recorded

immediately before sampling. The groundwater-elevation measurements are shown graphically on Plate 1. No results for surface-water locations are reported in this PMR.

3.4 Deviations from Planned Scope

Table 3.4-1 describes the fieldwork deviations from the planned scope of the PME. Table 3.4-2 presents a list of analytes for which the method detection limits (MDLs) are greater than screening levels. For some of these analytes, the MDL is much lower than for earlier analyses: the MDL for hexachlorobenzene is 0.3% of the prior MDL, and the MDL for n-nitrosodimethylamine is 15% of the prior MDL. The MDL for 2-chloro-1,3-butadiene is just 5% above the EPA regional tap water screening level. Table 3.4-3 presents a list of analytes for which the MDLs are now below screening levels.

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2014 IFGMP (LANL 2013, 241962). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.3, Land Application of Groundwater. ENV-RCRA-QP-010.3 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling of purge water.

All sampling, data reviews, and data package validations were conducted using standard operating procedures (SOPs) that are part of a comprehensive quality assurance program. The procedures are listed at http://www.lanl.gov/community-environment/environmental-stewardship/plans-procedures.php and are available at eprr.lanl.gov. Completed chain-of-custody forms serve as analytical request forms and include the requester or owner, sample number, program code, date and time of sample collection, total number of bottles, list of analytes to be measured, bottle sizes, and preservatives for each required analysis.

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

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

After the Laboratory receives the analytical laboratory data packages, the packages receive secondary validation. For data collected before March 2012, validation was done by an independent contractor, Analytical Quality Associates, Inc. (AQA). After that date, validation is done by an automated process after data are loaded.

Data validation determines the quality of an analytical data set. Data validation focuses on specific quality assurance samples, such as matrix spikes, duplicates, surrogates, method blanks, and laboratory control samples, and holding times, which indicate the accuracy and precision of the analyses. Based on the results, data qualifiers are applied to indicate data quality issues as well as the usability of results. This

process also includes a description of the reasons for any failure to meet method, procedural, or contractual requirements and an evaluation of the impact of such failure on the overall data set.

AQA's reviews follow the guidelines set in the DOE model SOP for data validation, which includes reviewing the data quality and the documentation's correctness and completeness, verifying that holding times were met, and ensuring that analytical laboratory QC measures were applied, documented, and kept within contract requirements. As a result of secondary validation, a second set of qualifiers was assigned to the analytical results.

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

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

4.2 Analytical Data

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

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

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

Multiple analyses of a sample, including dilutions and reanalyses, create redundant results. These multiple results have the same sample ID, analytical laboratory code, and analytical method. The analytical and validation information is used to designate the preferred result, which is marked with a best

value flag of “Y” (yes). The redundant values of lower quality are assigned a best value flag of “N” (no). In cases where a reanalysis gives a significantly different result than an earlier value, the original result may be rejected and assigned a best value flag of N, and the reanalysis result may be marked with a best value flag of Y. The best value flag is included in Appendix C.

Data for PMRs are evaluated using the following screening process. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

- The base-flow monitoring locations are assigned to one of two screening categories—perennial or ephemeral (Table 4.2-2). Along with a hardness value, this category determines the screening levels used for data at each monitoring location. Hardness-dependent screening levels used to screen data at each base-flow monitoring location are determined using the geometric mean of hardness data (mg/L as calcium carbonate) collected from 2006 to 2010 at each location (Table 4.2-2). Hardness-dependent acute and chronic criteria were used for total aluminum and dissolved cadmium, chromium, copper, lead, manganese, nickel, silver, and zinc in accordance with the requirements of 20 New Mexico Administrative Code (NMAC) 6.4.
- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to groundwater cleanup levels described in Section VIII.A.1 of the Consent Order; for an individual substance, the lesser of the EPA MCL or the NMWQCC groundwater standard is used.
- If an NMWQCC standard or an MCL has not been established for a specific substance for which toxicological information is published, the EPA regional screening levels for tap water (formerly Region 6 screening levels for tap water) are used as the groundwater cleanup level. These screening levels are for either a cancer- or noncancer-risk type. The Consent Order specifies screening at a 10^{-5} excess cancer risk. The EPA screening levels are for 10^{-6} excess cancer risk, so 10 times the EPA 10^{-6} screening levels are used for screening. This report was prepared using the May 2014 EPA regional screening levels.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Technical Standards (DCSs) for groundwater.

The results of data screening for this PMR are presented in Appendix D. This appendix shows all analytical results greater than half the lowest applicable screening levels. Results with a best value flag of N are included in Appendix D but not discussed in the text.

Table 4.2-3 provides groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above screening levels. Multiple detections of a particular constituent at a location are counted as one result. For example, if aluminum is detected above a screening level in both a primary sample and a field duplicate, only the highest result is shown.

Graphs in Appendix E display concentration histories of analytes for locations where the analyte was above its screening level at least once during the three most recent PMEs. Appendix E contains all locations where screening levels were exceeded, not just those scheduled to be sampled during this PME. Concentrations of the analyte are plotted for a 3-yr period. If 3 yr of data are not available, then all

available results for the analyte are plotted. When shown, the solid red lines depict applicable screening levels. Results with a best value flag of N are not included in Appendix E.

No analytes from the current PME exceeded their screening levels at more than one sampling location, so no maps showing concentrations are included.

4.2.1 Surface Water (Base Flow)

No results from previous sampling of PME surface-water monitoring locations are reported in this PMR. No surface-water results from the current PME are reported in this PMR.

4.2.2 Groundwater

No results from previous sampling of PME groundwater monitoring locations are reported in this PMR.

For the current PME, the unfiltered strontium-90 result of 12.4 pCi/L at alluvial well LAO-3a was above the 8-pCi/L EPA MCL screening level. Other filtered and unfiltered strontium-90 results from this well since 1995 range from 14.7 pCi/L to 71.9 pCi/L; results also included a nondetect.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group are proposed at this time.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

The field parameter monitoring results are presented in Appendix A.

5.2 Analytical Results

5.2.1 Surface Water (Base Flow)

No results from previous sampling of PME surface-water monitoring locations are reported in this PMR. No surface-water results from the current PME are reported in this PMR.

5.2.2 Groundwater

No results from previous sampling of PME groundwater monitoring locations are reported in this PMR. One groundwater result from groundwater samples collected during this PME was above screening levels (Table 4.2-3).

For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported from previous PMEs in this monitoring group, with some exceptions.

5.3 Data Gaps

Table 3.4-1 summarizes the field deviations encountered during this PME. The table provides a detailed account of sampling event deviations.

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the Los Alamos and Pueblo watershed portion of the General Surveillance monitoring group because no systems are installed in the monitoring group area.

6.0 REFERENCES

The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID. This information is also included in text citations. ER IDs are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.

Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.

LANL (Los Alamos National Laboratory), April 2004. "Los Alamos and Pueblo Canyons Investigation Report," Los Alamos National Laboratory document LA-UR-04-2714, Los Alamos, New Mexico. (LANL 2004, 087390)

LANL (Los Alamos National Laboratory), February 2008. "Los Alamos and Pueblo Canyons Groundwater Monitoring Well Network Evaluation and Recommendations, Revision 1," Los Alamos National Laboratory document LA-UR-08-1105, Los Alamos, New Mexico. (LANL 2008, 101330)

LANL (Los Alamos National Laboratory), September 2008. "Periodic Monitoring Report for White Rock Watershed, April 23–April 30, 2008," Los Alamos National Laboratory document LA-UR-08-5847, Los Alamos, New Mexico. (LANL 2008, 103737)

LANL (Los Alamos National Laboratory), May 2013. "Interim Facility-Wide Groundwater Monitoring Plan for the 2014 Monitoring Year, October 2013–September 2014," Los Alamos National Laboratory document LA-UR-13-23479, Los Alamos, New Mexico. (LANL 2013, 241962)

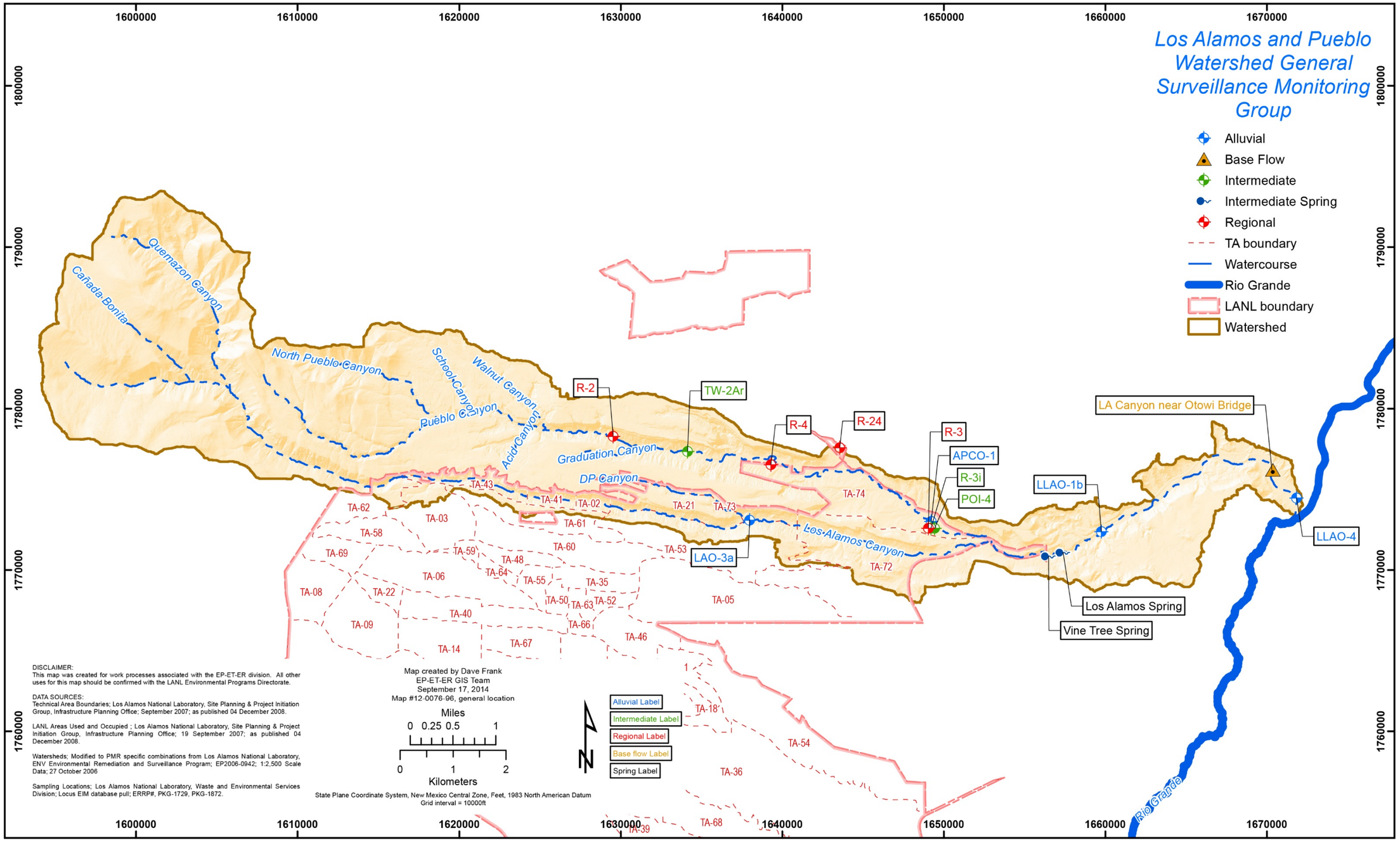


Figure 2.0-1 Locations scheduled to be monitored for this PME (see Table 3.4-1)

Table 2.0-1
Los Alamos and Pueblo Watershed
General Surveillance Monitoring Group Locations and General Information

Location	Sample Collection Date	Screened Interval (ft)	Screen Top Depth (ft)	Screen Bottom Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Purge or Flow Rate (gpm[a])
Base Flow							
LA Canyon near Otowi Bridge	n/a[b]	n/a	n/a	n/a	n/a	n/a	n/a[c]
Alluvial							
APCO-1	n/a	10	4.7	14.7	n/a	n/a	n/a
LAO-3a	06/06/14	10	4.7	14.7	0.72	1.43	0.13
LLAO-1b	n/a	10	11.32	21.32	n/a	n/a	n/a
LLAO-4	06/17/14	10	5.24	15.24	n/a	n/a	n/a
Intermediate							
Los Alamos Spring	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Vine Tree Spring	06/18/14	n/a	n/a	n/a	n/a	n/a	n/a
POI-4	06/02/14	15	159	174	10.4	28.4	0.79
R-3i	06/04/14	4.8	215.2	220	5.2	15.8	0.98
TW-2Ar	06/02/14	10	102	112	11.28	34.5	0.69
Regional							
R-2	06/05/14	23.2	906.4	929.6	33.6	155	1.5
R-3	06/04/14	20.5	974.5	995	351.04	1056	6
R-4	06/03/14	23.1	792.9	816	74.9	245.74	3.49
R-24	06/03/14	23	825	848	124.4	376.5	4.48

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

Table 3.4-1
Los Alamos and Pueblo Watershed
General Surveillance Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
LA Canyon near Otowi Bridge, LLAO-1b, Los Alamos Spring	No data are included in this report for these locations.	The locations were not sampled because they were dry.	These locations will be sampled during the next scheduled PME.
LLAO-4, Vine Tree Spring	No data are included in this report for these locations.	Per DOE's memorandum of understanding with San Ildefonso Pueblo, the data must be reviewed prior to being released.	A separate report will be submitted following review by San Ildefonso Pueblo.
APCO-1	No data are included in this report for this location.	The well was destroyed during the September 2013 flood event.	This location will be replaced by PAO-5n in the next scheduled PME.

Table 3.4-2
Analytes with MDLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL	PQL[b]	Screening Level	Unit	Screening-Level Type
Semivolatile Organic Compounds						
103-33-3	Azobenzene	3.12	10.39	1.2	µg/L	EPA Regional Tap
92-87-5	Benzidine	4.05	10.39	0.00110	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	3.12	10.39	0.14	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	3.12	10.39	0.28	µg/L	NM HH OO[c]
534-52-1	Dinitro-2-methylphenol[4,6-]	3.12	10.39	1.5	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	0.00650	0.0208	0.0029	µg/L	NM HH OO
55-18-5	Nitrosodiethylamine[N-]	3.12	10.39	0.0017	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	3.12	10.39	0.0049	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	3.12	10.39	0.027	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	3.12	10.39	0.11	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	3.12	10.39	0.37	µg/L	EPA Regional Tap
Volatile Organic Compounds						
107-02-8	Acrolein	1.5	5.0	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1.05	5.0	0.52	µg/L	EPA Regional Tap
126-99-8	Chloro-1,3-butadiene[2-]	0.210	1.0	0.19	µg/L	EPA Regional Tap
96-18-4	Trichloropropane[1,2,3-]	0.3	1.0	0.0075	µg/L	EPA Regional Tap

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

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

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

Table 3.4-3
Analytes with MDLs Now below Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL	PQL[b]	Screening Level	Unit	Screening-Level Type
Semivolatile Organic Compounds						
56-55-3	Benzo(a)anthracene	0.0168	0.0524	0.18	µg/L	NM HH OO[c]
50-32-8	Benzo(a)pyrene	0.0168	0.0524	0.18	µg/L	NM HH OO
205-99-2	Benzo(b)fluoranthene	0.0168	0.0524	0.18	µg/L	NM HH OO
53-70-3	Dibenz(a,h)anthracene	0.0168	0.0524	0.034	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.0168	0.0524	0.18	µg/L	NM HH OO
87-86-5	Pentachlorophenol	0.0523	0.261	1	µg/L	EPA MCL
Volatile Organic Compounds						
96-12-8	Dibromo-3-chloropropane[1,2-]	0.00596	0.0199	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.00596	0.0199	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1.05	5.0	1.9	µg/L	EPA Regional Tap

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

[a] CAS = Chemical Abstracts Service.

[b] PQL = Practical quantitation limit.

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

Table 4.2-1
Sources of Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory

Standard Source	Standard Type	Groundwater	Surface Water
DOE Order 458.1	DOE BCGs	n/a[a]	X[b]
DOE Order 458.1	DOE 100-mrem Public Dose DCS	X	n/a
DOE Order 458.1	DOE 4-mrem Drinking Water DCS	X	n/a
40 CFR[c] 141	EPA Primary Drinking Water Standard	X	n/a
EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites	EPA Regional Screening Levels for Tap Water	X	n/a
20 NMAC 3.4	New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
20 NMAC 6.2	NMWQCC Groundwater Standard	X	n/a
20 NMAC 6.4	NMWQCC Irrigation Standard	n/a	X
20 NMAC 6.4	NMWQCC Livestock Watering Standard	n/a	X
20 NMAC 6.4	NMWQCC Wildlife Habitat Standard	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Acute	n/a	X
20 NMAC 6.4	NMWQCC Aquatic Life Standards Chronic	n/a	X
20 NMAC 6.4	NMWQCC Human Health Standard	n/a	X

[a] n/a = Not applicable.

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

[c] CFR = Code of Federal Regulations.

Table 4.2-2
Base-Flow Location Type and Hardness Assignments Used to Select Screening Levels

Watershed	Location	Stream Type	Hardness (mg/L as $CaCO_3$)
Los Alamos	LA Canyon near Otowi Bridge	Ephemeral	100

Table 4.2-3
Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Groundwater Results above Screening Levels

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Alluvial Groundwater							
LAO-3a	06/06/14	Strontium-90	UF*	12.4	pCi/L	8	EPA MCL

*UF = Unfiltered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
LAO-3a	4.7	06/06/14	WG[a]	Dissolved Oxygen	7.7	mg/L	CALA-14-79456
LAO-3a	4.7	06/06/13	WG	Dissolved Oxygen	8.22	mg/L	CALA-13-33421
LAO-3a	4.7	04/02/12	WG	Dissolved Oxygen	8.2	mg/L	CALA-12-12526
LAO-3a	4.7	04/02/12	WG	Dissolved Oxygen	8.2	mg/L	CALA-12-12533
LAO-3a	4.7	03/11/11	WG	Dissolved Oxygen	8.45	mg/L	CALA-11-5224
LAO-3a	4.7	07/15/09	WG	Dissolved Oxygen	7.57	mg/L	CALA-09-11091
LAO-3a	4.7	06/06/14	WG	Flow (in gpm[b])	0.13	gpm	CALA-14-79456
LAO-3a	4.7	03/11/11	WG	Flow (in gpm)	0.13	gpm	CALA-11-5224
LAO-3a	4.7	07/15/09	WG	Flow (in gpm)	0.16	gpm	CALA-09-11091
LAO-3a	4.7	09/02/08	WG	Flow (in gpm)	0.14	gpm	CALA-08-13860
LAO-3a	4.7	01/09/08	WG	Flow (in gpm)	0.33	gpm	CALA-08-9741
LAO-3a	4.7	06/06/14	WG	Oxidation-Reduction Potential	106.2	mV	CALA-14-79456
LAO-3a	4.7	06/06/13	WG	Oxidation-Reduction Potential	180.4	mV	CALA-13-33421
LAO-3a	4.7	04/02/12	WG	Oxidation-Reduction Potential	96.9	mV	CALA-12-12526
LAO-3a	4.7	04/02/12	WG	Oxidation-Reduction Potential	96.9	mV	CALA-12-12533
LAO-3a	4.7	03/11/11	WG	Oxidation-Reduction Potential	192	mV	CALA-11-5224
LAO-3a	4.7	07/15/09	WG	Oxidation-Reduction Potential	377.9	mV	CALA-09-11091
LAO-3a	4.7	06/06/14	WG	pH	6.93	SU[c]	CALA-14-79456
LAO-3a	4.7	06/06/13	WG	pH	6.84	SU	CALA-13-33421
LAO-3a	4.7	04/02/12	WG	pH	7.05	SU	CALA-12-12526
LAO-3a	4.7	04/02/12	WG	pH	7.05	SU	CALA-12-12533
LAO-3a	4.7	03/11/11	WG	pH	6.98	SU	CALA-11-5224
LAO-3a	4.7	07/15/09	WG	pH	6.53	SU	CALA-09-11091
LAO-3a	4.7	06/06/14	WG	Specific Conductance	384	µS/cm	CALA-14-79456
LAO-3a	4.7	06/06/13	WG	Specific Conductance	364	µS/cm	CALA-13-33421
LAO-3a	4.7	04/02/12	WG	Specific Conductance	669	µS/cm	CALA-12-12526
LAO-3a	4.7	04/02/12	WG	Specific Conductance	669	µS/cm	CALA-12-12533
LAO-3a	4.7	03/11/11	WG	Specific Conductance	312	µS/cm	CALA-11-5224

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
LAO-3a	4.7	07/15/09	WG	Specific Conductance	345	µS/cm	CALA-09-11091
LAO-3a	4.7	06/06/14	WG	Temperature	10.43	deg C	CALA-14-79456
LAO-3a	4.7	06/06/13	WG	Temperature	10.26	deg C	CALA-13-33421
LAO-3a	4.7	04/02/12	WG	Temperature	9.08	deg C	CALA-12-12526
LAO-3a	4.7	03/11/11	WG	Temperature	9.89	deg C	CALA-11-5224
LAO-3a	4.7	07/15/09	WG	Temperature	11.38	deg C	CALA-09-11091
LAO-3a	4.7	06/06/14	WG	Turbidity	2.4	NTU[d]	CALA-14-79456
LAO-3a	4.7	06/06/13	WG	Turbidity	1.7	NTU	CALA-13-33421
LAO-3a	4.7	04/02/12	WG	Turbidity	0.82	NTU	CALA-12-12526
LAO-3a	4.7	04/02/12	WG	Turbidity	0.82	NTU	CALA-12-12533
LAO-3a	4.7	03/11/11	WG	Turbidity	4.2	NTU	CALA-11-5224
LAO-3a	4.7	07/15/09	WG	Turbidity	2.05	NTU	CALA-09-11091
POI-4	159	06/02/14	WG	Dissolved Oxygen	7.07	mg/L	CAPU-14-79426
POI-4	159	06/03/13	WG	Dissolved Oxygen	7.4	mg/L	CAPU-13-34782
POI-4	159	04/12/12	WG	Dissolved Oxygen	7.86	mg/L	CAPU-12-12562
POI-4	159	03/11/11	WG	Dissolved Oxygen	7.45	mg/L	CAPU-11-5282
POI-4	159	07/15/09	WG	Dissolved Oxygen	7.57	mg/L	CAPU-09-11240
POI-4	159	06/02/14	WG	Flow (in gpm)	0.79	gpm	CAPU-14-79426
POI-4	159	03/11/11	WG	Flow (in gpm)	0.3	gpm	CAPU-11-5282
POI-4	159	01/22/09	WG	Flow (in gpm)	0.64	gpm	CAPU-09-1779
POI-4	159	01/22/08	WG	Flow (in gpm)	0.067	gpm	CAPU-08-9905
POI-4	159	06/02/14	WG	Oxidation-Reduction Potential	92.2	mV	CAPU-14-79426
POI-4	159	06/03/13	WG	Oxidation-Reduction Potential	130.1	mV	CAPU-13-34782
POI-4	159	04/12/12	WG	Oxidation-Reduction Potential	53.2	mV	CAPU-12-12562
POI-4	159	03/11/11	WG	Oxidation-Reduction Potential	222.5	mV	CAPU-11-5282
POI-4	159	07/15/09	WG	Oxidation-Reduction Potential	448.2	mV	CAPU-09-11240
POI-4	159	06/02/14	WG	pH	6.98	SU	CAPU-14-79426
POI-4	159	06/03/13	WG	pH	6.96	SU	CAPU-13-34782

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
POI-4	159	04/12/12	WG	pH	7.06	SU	CAPU-12-12562
POI-4	159	03/11/11	WG	pH	7.03	SU	CAPU-11-5282
POI-4	159	07/15/09	WG	pH	6.66	SU	CAPU-09-11240
POI-4	159	06/02/14	WG	Specific Conductance	50.5	µS/cm	CAPU-14-79426
POI-4	159	06/03/13	WG	Specific Conductance	600	µS/cm	CAPU-13-34782
POI-4	159	04/12/12	WG	Specific Conductance	575	µS/cm	CAPU-12-12562
POI-4	159	03/11/11	WG	Specific Conductance	580	µS/cm	CAPU-11-5282
POI-4	159	07/15/09	WG	Specific Conductance	491	µS/cm	CAPU-09-11240
POI-4	159	06/02/14	WG	Temperature	11.86	deg C	CAPU-14-79426
POI-4	159	06/03/13	WG	Temperature	11.65	deg C	CAPU-13-34782
POI-4	159	04/12/12	WG	Temperature	11.58	deg C	CAPU-12-12562
POI-4	159	03/11/11	WG	Temperature	11.73	deg C	CAPU-11-5282
POI-4	159	07/15/09	WG	Temperature	12.54	deg C	CAPU-09-11240
POI-4	159	06/02/14	WG	Turbidity	15.3	NTU	CAPU-14-79426
POI-4	159	06/03/13	WG	Turbidity	9.9	NTU	CAPU-13-34782
POI-4	159	04/12/12	WG	Turbidity	0.5	NTU	CAPU-12-12562
POI-4	159	07/15/09	WG	Turbidity	0.71	NTU	CAPU-09-11240
POI-4	159	01/22/09	WG	Turbidity	0.48	NTU	CAPU-09-1779
R-2	906.4	06/05/14	WG	Dissolved Oxygen	3.73	mg/L	CAPU-14-79427
R-2	906.4	06/12/13	WG	Dissolved Oxygen	5.17	mg/L	CAPU-13-34775
R-2	906.4	04/17/12	WG	Dissolved Oxygen	5.43	mg/L	CAPU-12-12563
R-2	906.4	03/09/11	WG	Dissolved Oxygen	5.36	mg/L	CAPU-11-5292
R-2	906.4	07/10/09	WG	Dissolved Oxygen	4.1	mg/L	CAPU-09-11257
R-2	906.4	06/05/14	WG	Flow (in gpm)	1.5	gpm	CAPU-14-79427
R-2	906.4	03/09/11	WG	Flow (in gpm)	1.09	gpm	CAPU-11-5292
R-2	906.4	01/14/09	WG	Flow (in gpm)	1.75	gpm	CAPU-09-1797
R-2	906.4	08/29/08	WG	Flow (in gpm)	2	gpm	CAPU-08-14787
R-2	906.4	01/11/08	WG	Flow (in gpm)	2	gpm	CAPU-08-9896

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-2	906.4	06/05/14	WG	Oxidation-Reduction Potential	127.4	mV	CAPU-14-79427
R-2	906.4	06/12/13	WG	Oxidation-Reduction Potential	115.7	mV	CAPU-13-34775
R-2	906.4	04/17/12	WG	Oxidation-Reduction Potential	190.4	mV	CAPU-12-12563
R-2	906.4	03/09/11	WG	Oxidation-Reduction Potential	111.1	mV	CAPU-11-5292
R-2	906.4	07/10/09	WG	Oxidation-Reduction Potential	409.5	mV	CAPU-09-11257
R-2	906.4	06/05/14	WG	pH	6.78	SU	CAPU-14-79427
R-2	906.4	06/12/13	WG	pH	7.38	SU	CAPU-13-34775
R-2	906.4	04/17/12	WG	pH	7.43	SU	CAPU-12-12563
R-2	906.4	03/09/11	WG	pH	7.39	SU	CAPU-11-5292
R-2	906.4	07/10/09	WG	pH	7.05	SU	CAPU-09-11257
R-2	906.4	06/05/14	WG	Specific Conductance	145	µS/cm	CAPU-14-79427
R-2	906.4	06/12/13	WG	Specific Conductance	143	µS/cm	CAPU-13-34775
R-2	906.4	04/17/12	WG	Specific Conductance	144	µS/cm	CAPU-12-12563
R-2	906.4	03/09/11	WG	Specific Conductance	139	µS/cm	CAPU-11-5292
R-2	906.4	07/10/09	WG	Specific Conductance	151	µS/cm	CAPU-09-11257
R-2	906.4	06/05/14	WG	Temperature	23.73	deg C	CAPU-14-79427
R-2	906.4	06/12/13	WG	Temperature	24.92	deg C	CAPU-13-34775
R-2	906.4	04/17/12	WG	Temperature	22.94	deg C	CAPU-12-12563
R-2	906.4	03/09/11	WG	Temperature	22.7	deg C	CAPU-11-5292
R-2	906.4	07/10/09	WG	Temperature	24.06	deg C	CAPU-09-11257
R-2	906.4	06/05/14	WG	Turbidity	1.1	NTU	CAPU-14-79427
R-2	906.4	06/12/13	WG	Turbidity	0.94	NTU	CAPU-13-34775
R-2	906.4	04/17/12	WG	Turbidity	1.68	NTU	CAPU-12-12563
R-2	906.4	03/09/11	WG	Turbidity	1.4	NTU	CAPU-11-5292
R-2	906.4	07/10/09	WG	Turbidity	4.61	NTU	CAPU-09-11257
R-24	825	06/03/14	WG	Dissolved Oxygen	3.03	mg/L	CAPU-14-79428
R-24	825	06/04/13	WG	Dissolved Oxygen	4.61	mg/L	CAPU-13-34776
R-24	825	04/11/12	WG	Dissolved Oxygen	3.56	mg/L	CAPU-12-12564

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-24	825	03/11/11	WG	Dissolved Oxygen	3.45	mg/L	CAPU-11-5296
R-24	825	07/16/09	WG	Dissolved Oxygen	3.56	mg/L	CAPU-09-11269
R-24	825	06/03/14	WG	Flow (in gpm)	4.48	gpm	CAPU-14-79428
R-24	825	03/11/11	WG	Flow (in gpm)	4.15	gpm	CAPU-11-5296
R-24	825	01/15/09	WG	Flow (in gpm)	4.25	gpm	CAPU-09-1804
R-24	825	08/26/08	WG	Flow (in gpm)	4.1	gpm	CAPU-08-14805
R-24	825	01/22/08	WG	Flow (in gpm)	4.5	gpm	CAPU-08-9903
R-24	825	06/03/14	WG	Oxidation-Reduction Potential	86.7	mV	CAPU-14-79428
R-24	825	06/04/13	WG	Oxidation-Reduction Potential	177.9	mV	CAPU-13-34776
R-24	825	04/11/12	WG	Oxidation-Reduction Potential	11.1	mV	CAPU-12-12564
R-24	825	03/11/11	WG	Oxidation-Reduction Potential	159.1	mV	CAPU-11-5296
R-24	825	07/16/09	WG	Oxidation-Reduction Potential	366.9	mV	CAPU-09-11269
R-24	825	06/03/14	WG	pH	7.87	SU	CAPU-14-79428
R-24	825	06/04/13	WG	pH	7.8	SU	CAPU-13-34776
R-24	825	04/11/12	WG	pH	7.9	SU	CAPU-12-12564
R-24	825	03/11/11	WG	pH	7.89	SU	CAPU-11-5296
R-24	825	07/16/09	WG	pH	7.79	SU	CAPU-09-11269
R-24	825	06/03/14	WG	Specific Conductance	259	µS/cm	CAPU-14-79428
R-24	825	06/04/13	WG	Specific Conductance	242	µS/cm	CAPU-13-34776
R-24	825	04/11/12	WG	Specific Conductance	251	µS/cm	CAPU-12-12564
R-24	825	03/11/11	WG	Specific Conductance	174	µS/cm	CAPU-11-5296
R-24	825	07/16/09	WG	Specific Conductance	286	µS/cm	CAPU-09-11269
R-24	825	06/03/14	WG	Temperature	29.37	deg C	CAPU-14-79428
R-24	825	06/04/13	WG	Temperature	29.09	deg C	CAPU-13-34776
R-24	825	04/11/12	WG	Temperature	28.85	deg C	CAPU-12-12564
R-24	825	03/11/11	WG	Temperature	28.57	deg C	CAPU-11-5296
R-24	825	01/15/09	WG	Temperature	28.05	deg C	CAPU-09-1804
R-24	825	06/03/14	WG	Turbidity	2.3	NTU	CAPU-14-79428

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-24	825	06/04/13	WG	Turbidity	0.6	NTU	CAPU-13-34776
R-24	825	04/11/12	WG	Turbidity	0.74	NTU	CAPU-12-12564
R-24	825	03/11/11	WG	Turbidity	0.9	NTU	CAPU-11-5296
R-24	825	07/16/09	WG	Turbidity	1.08	NTU	CAPU-09-11269
R-3	974.5	06/04/14	WG	Dissolved Oxygen	4.71	mg/L	CAPU-14-79429
R-3	974.5	06/10/13	WG	Dissolved Oxygen	4.49	mg/L	CAPU-13-34777
R-3	974.5	04/16/12	WG	Dissolved Oxygen	4.33	mg/L	CAPU-12-12565
R-3	974.5	08/24/11	WG	Dissolved Oxygen	3.72	mg/L	CAPU-11-26381
R-3	974.5	08/24/11	WG	Dissolved Oxygen	3.54	mg/L	CAPU-11-26370
R-3	974.5	08/24/11	WG	Dissolved Oxygen	3.69	mg/L	CAPU-11-26372
R-3	974.5	08/24/11	WG	Dissolved Oxygen	3.47	mg/L	CAPU-11-26368
R-3	974.5	06/13/11	WG	Dissolved Oxygen	3.47	mg/L	CAPU-11-14678
R-3	974.5	06/13/11	WG	Dissolved Oxygen	3.91	mg/L	CAPU-11-14680
R-3	974.5	06/13/11	WG	Dissolved Oxygen	3.91	mg/L	CAPU-11-13932
R-3	974.5	06/13/11	WG	Dissolved Oxygen	3.53	mg/L	CAPU-11-14676
R-3	974.5	06/04/14	WG	Flow (in gpm)	6	gpm	CAPU-14-79429
R-3	974.5	08/24/11	WG	Flow (in gpm)	5.5	gpm	CAPU-11-26381
R-3	974.5	08/24/11	WG	Flow (in gpm)	5.5	gpm	CAPU-11-26370
R-3	974.5	08/24/11	WG	Flow (in gpm)	5.5	gpm	CAPU-11-26372
R-3	974.5	08/24/11	WG	Flow (in gpm)	5.5	gpm	CAPU-11-26368
R-3	974.5	06/13/11	WG	Flow (in gpm)	5.77	gpm	CAPU-11-14678
R-3	974.5	06/13/11	WG	Flow (in gpm)	5.77	gpm	CAPU-11-14680
R-3	974.5	06/13/11	WG	Flow (in gpm)	5.77	gpm	CAPU-11-13932
R-3	974.5	06/13/11	WG	Flow (in gpm)	5.77	gpm	CAPU-11-14676
R-3	974.5	03/08/11	WG	Flow (in gpm)	5.2	gpm	CAPU-11-5621
R-3	974.5	12/07/10	WG	Flow (in gpm)	5	gpm	CAPU-11-2230
R-3	974.5	06/04/14	WG	Oxidation-Reduction Potential	27.8	mV	CAPU-14-79429
R-3	974.5	06/10/13	WG	Oxidation-Reduction Potential	82.1	mV	CAPU-13-34777

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-3	974.5	04/16/12	WG	Oxidation-Reduction Potential	1.7	mV	CAPU-12-12565
R-3	974.5	08/24/11	WG	Oxidation-Reduction Potential	151.3	mV	CAPU-11-26381
R-3	974.5	08/24/11	WG	Oxidation-Reduction Potential	154	mV	CAPU-11-26370
R-3	974.5	08/24/11	WG	Oxidation-Reduction Potential	151.7	mV	CAPU-11-26372
R-3	974.5	08/24/11	WG	Oxidation-Reduction Potential	157	mV	CAPU-11-26368
R-3	974.5	06/13/11	WG	Oxidation-Reduction Potential	151.9	mV	CAPU-11-14678
R-3	974.5	06/13/11	WG	Oxidation-Reduction Potential	162.1	mV	CAPU-11-14680
R-3	974.5	06/13/11	WG	Oxidation-Reduction Potential	162.1	mV	CAPU-11-13932
R-3	974.5	06/13/11	WG	Oxidation-Reduction Potential	147.7	mV	CAPU-11-14676
R-3	974.5	06/04/14	WG	pH	8.27	SU	CAPU-14-79429
R-3	974.5	06/10/13	WG	pH	8.2	SU	CAPU-13-34777
R-3	974.5	04/16/12	WG	pH	8.31	SU	CAPU-12-12565
R-3	974.5	08/24/11	WG	pH	8.36	SU	CAPU-11-26381
R-3	974.5	08/24/11	WG	pH	8.39	SU	CAPU-11-26370
R-3	974.5	08/24/11	WG	pH	8.36	SU	CAPU-11-26372
R-3	974.5	08/24/11	WG	pH	8.43	SU	CAPU-11-26368
R-3	974.5	06/13/11	WG	pH	8.33	SU	CAPU-11-14678
R-3	974.5	06/13/11	WG	pH	8.32	SU	CAPU-11-14680
R-3	974.5	06/13/11	WG	pH	8.32	SU	CAPU-11-13932
R-3	974.5	06/13/11	WG	pH	8.39	SU	CAPU-11-14676
R-3	974.5	06/04/14	WG	Specific Conductance	188	µS/cm	CAPU-14-79429
R-3	974.5	06/10/13	WG	Specific Conductance	187	µS/cm	CAPU-13-34777
R-3	974.5	04/16/12	WG	Specific Conductance	194	µS/cm	CAPU-12-12565
R-3	974.5	08/24/11	WG	Specific Conductance	184	µS/cm	CAPU-11-26381
R-3	974.5	08/24/11	WG	Specific Conductance	177	µS/cm	CAPU-11-26370
R-3	974.5	08/24/11	WG	Specific Conductance	175	µS/cm	CAPU-11-26372
R-3	974.5	08/24/11	WG	Specific Conductance	188	µS/cm	CAPU-11-26368
R-3	974.5	06/13/11	WG	Specific Conductance	168	µS/cm	CAPU-11-14678

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-3	974.5	06/13/11	WG	Specific Conductance	162	µS/cm	CAPU-11-14680
R-3	974.5	06/13/11	WG	Specific Conductance	162	µS/cm	CAPU-11-13932
R-3	974.5	06/13/11	WG	Specific Conductance	177	µS/cm	CAPU-11-14676
R-3	974.5	06/04/14	WG	Temperature	25.59	deg C	CAPU-14-79429
R-3	974.5	06/10/13	WG	Temperature	25.5	deg C	CAPU-13-34777
R-3	974.5	04/16/12	WG	Temperature	24.22	deg C	CAPU-12-12565
R-3	974.5	08/24/11	WG	Temperature	25.76	deg C	CAPU-11-26381
R-3	974.5	08/24/11	WG	Temperature	25.56	deg C	CAPU-11-26370
R-3	974.5	08/24/11	WG	Temperature	25.8	deg C	CAPU-11-26372
R-3	974.5	08/24/11	WG	Temperature	25.14	deg C	CAPU-11-26368
R-3	974.5	06/13/11	WG	Temperature	26.06	deg C	CAPU-11-14678
R-3	974.5	06/13/11	WG	Temperature	26.5	deg C	CAPU-11-14680
R-3	974.5	06/13/11	WG	Temperature	26.5	deg C	CAPU-11-13932
R-3	974.5	06/13/11	WG	Temperature	25.46	deg C	CAPU-11-14676
R-3	974.5	06/04/14	WG	Turbidity	0.27	NTU	CAPU-14-79429
R-3	974.5	06/10/13	WG	Turbidity	0.1	NTU	CAPU-13-34777
R-3	974.5	04/16/12	WG	Turbidity	0.34	NTU	CAPU-12-12565
R-3	974.5	08/24/11	WG	Turbidity	0.26	NTU	CAPU-11-26381
R-3	974.5	08/24/11	WG	Turbidity	0.52	NTU	CAPU-11-26370
R-3	974.5	08/24/11	WG	Turbidity	0.4	NTU	CAPU-11-26372
R-3	974.5	08/24/11	WG	Turbidity	0.31	NTU	CAPU-11-26368
R-3	974.5	06/13/11	WG	Turbidity	0.23	NTU	CAPU-11-14678
R-3	974.5	06/13/11	WG	Turbidity	0.4	NTU	CAPU-11-14680
R-3	974.5	06/13/11	WG	Turbidity	0.4	NTU	CAPU-11-13932
R-3	974.5	06/13/11	WG	Turbidity	0.32	NTU	CAPU-11-14676
R-3i	215.2	06/04/14	WG	Dissolved Oxygen	8.66	mg/L	CAPU-14-79430
R-3i	215.2	06/05/13	WG	Dissolved Oxygen	8.48	mg/L	CAPU-13-34778
R-3i	215.2	04/13/12	WG	Dissolved Oxygen	9.16	mg/L	CAPU-12-12566

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-3i	215.2	03/22/11	WG	Dissolved Oxygen	7.86	mg/L	CAPU-11-5287
R-3i	215.2	07/22/09	WG	Dissolved Oxygen	7.81	mg/L	CAPU-09-11231
R-3i	215.2	06/04/14	WG	Flow (in gpm)	0.98	gpm	CAPU-14-79430
R-3i	215.2	03/22/11	WG	Flow (in gpm)	0.7	gpm	CAPU-11-5287
R-3i	215.2	07/22/09	WG	Flow (in gpm)	0.52	gpm	CAPU-09-11231
R-3i	215.2	01/20/09	WG	Flow (in gpm)	0.38	gpm	CAPU-09-1784
R-3i	215.2	06/04/14	WG	Oxidation-Reduction Potential	107.9	mV	CAPU-14-79430
R-3i	215.2	06/05/13	WG	Oxidation-Reduction Potential	184.8	mV	CAPU-13-34778
R-3i	215.2	04/13/12	WG	Oxidation-Reduction Potential	183.7	mV	CAPU-12-12566
R-3i	215.2	03/22/11	WG	Oxidation-Reduction Potential	227.5	mV	CAPU-11-5287
R-3i	215.2	07/22/09	WG	Oxidation-Reduction Potential	180.4	mV	CAPU-09-11231
R-3i	215.2	06/04/14	WG	pH	7.38	SU	CAPU-14-79430
R-3i	215.2	06/05/13	WG	pH	7.41	SU	CAPU-13-34778
R-3i	215.2	04/13/12	WG	pH	7.48	SU	CAPU-12-12566
R-3i	215.2	03/22/11	WG	pH	7.43	SU	CAPU-11-5287
R-3i	215.2	07/22/09	WG	pH	7.3	SU	CAPU-09-11231
R-3i	215.2	06/04/14	WG	Specific Conductance	540	µS/cm	CAPU-14-79430
R-3i	215.2	06/05/13	WG	Specific Conductance	509	µS/cm	CAPU-13-34778
R-3i	215.2	04/13/12	WG	Specific Conductance	536	µS/cm	CAPU-12-12566
R-3i	215.2	03/22/11	WG	Specific Conductance	466	µS/cm	CAPU-11-5287
R-3i	215.2	07/22/09	WG	Specific Conductance	449	µS/cm	CAPU-09-11231
R-3i	215.2	06/04/14	WG	Temperature	12.99	deg C	CAPU-14-79430
R-3i	215.2	06/05/13	WG	Temperature	13.94	deg C	CAPU-13-34778
R-3i	215.2	04/13/12	WG	Temperature	13.54	deg C	CAPU-12-12566
R-3i	215.2	03/22/11	WG	Temperature	13.49	deg C	CAPU-11-5287
R-3i	215.2	07/22/09	WG	Temperature	13.95	deg C	CAPU-09-11231
R-3i	215.2	06/04/14	WG	Turbidity	6.4	NTU	CAPU-14-79430
R-3i	215.2	06/05/13	WG	Turbidity	6.8	NTU	CAPU-13-34778

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-3i	215.2	04/13/12	WG	Turbidity	6.2	NTU	CAPU-12-12566
R-3i	215.2	03/22/11	WG	Turbidity	4.23	NTU	CAPU-11-5287
R-3i	215.2	07/22/09	WG	Turbidity	1.83	NTU	CAPU-09-11231
R-4	792.9	06/03/14	WG	Dissolved Oxygen	3.1	mg/L	CAPU-14-79431
R-4	792.9	06/10/13	WG	Dissolved Oxygen	3.95	mg/L	CAPU-13-34779
R-4	792.9	04/13/12	WG	Dissolved Oxygen	4.96	mg/L	CAPU-12-12567
R-4	792.9	03/16/11	WG	Dissolved Oxygen	5.4	mg/L	CAPU-11-5298
R-4	792.9	07/16/09	WG	Dissolved Oxygen	4.96	mg/L	CAPU-09-11263
R-4	792.9	06/03/14	WG	Flow (in gpm)	3.49	gpm	CAPU-14-79431
R-4	792.9	03/16/11	WG	Flow (in gpm)	3.2	gpm	CAPU-11-5298
R-4	792.9	01/22/09	WG	Flow (in gpm)	3.5	gpm	CAPU-09-1799
R-4	792.9	08/26/08	WG	Flow (in gpm)	3.5	gpm	CAPU-08-14796
R-4	792.9	01/22/08	WG	Flow (in gpm)	3.5	gpm	CAPU-08-9891
R-4	792.9	06/03/14	WG	Oxidation-Reduction Potential	45.6	mV	CAPU-14-79431
R-4	792.9	06/10/13	WG	Oxidation-Reduction Potential	97.4	mV	CAPU-13-34779
R-4	792.9	04/13/12	WG	Oxidation-Reduction Potential	-2.4	mV	CAPU-12-12567
R-4	792.9	03/16/11	WG	Oxidation-Reduction Potential	103.9	mV	CAPU-11-5298
R-4	792.9	07/16/09	WG	Oxidation-Reduction Potential	439.3	mV	CAPU-09-11263
R-4	792.9	06/03/14	WG	pH	8.13	SU	CAPU-14-79431
R-4	792.9	06/10/13	WG	pH	8.2	SU	CAPU-13-34779
R-4	792.9	04/13/12	WG	pH	7.98	SU	CAPU-12-12567
R-4	792.9	03/16/11	WG	pH	8.09	SU	CAPU-11-5298
R-4	792.9	07/16/09	WG	pH	7.76	SU	CAPU-09-11263
R-4	792.9	06/03/14	WG	Specific Conductance	192	µS/cm	CAPU-14-79431
R-4	792.9	06/10/13	WG	Specific Conductance	190	µS/cm	CAPU-13-34779
R-4	792.9	04/13/12	WG	Specific Conductance	190	µS/cm	CAPU-12-12567
R-4	792.9	03/16/11	WG	Specific Conductance	184	µS/cm	CAPU-11-5298
R-4	792.9	07/16/09	WG	Specific Conductance	187	µS/cm	CAPU-09-11263

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-4	792.9	06/03/14	WG	Temperature	25.58	deg C	CAPU-14-79431
R-4	792.9	06/10/13	WG	Temperature	25.21	deg C	CAPU-13-34779
R-4	792.9	04/13/12	WG	Temperature	23.31	deg C	CAPU-12-12567
R-4	792.9	03/16/11	WG	Temperature	23.06	deg C	CAPU-11-5298
R-4	792.9	07/16/09	WG	Temperature	25.59	deg C	CAPU-09-11263
R-4	792.9	06/03/14	WG	Turbidity	0.14	NTU	CAPU-14-79431
R-4	792.9	06/10/13	WG	Turbidity	0.1	NTU	CAPU-13-34779
R-4	792.9	04/13/12	WG	Turbidity	0.45	NTU	CAPU-12-12567
R-4	792.9	03/16/11	WG	Turbidity	0.2	NTU	CAPU-11-5298
R-4	792.9	07/16/09	WG	Turbidity	0.52	NTU	CAPU-09-11263
TW-2Ar	102	06/02/14	WG	Dissolved Oxygen	8.08	mg/L	CAPU-14-79432
TW-2Ar	102	06/06/13	WG	Dissolved Oxygen	8.18	mg/L	CAPU-13-34780
TW-2Ar	102	04/17/12	WG	Dissolved Oxygen	8.17	mg/L	CAPU-12-12568
TW-2Ar	102	08/29/11	WG	Dissolved Oxygen	8.61	mg/L	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	Dissolved Oxygen	8.3	mg/L	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	Dissolved Oxygen	8.57	mg/L	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	Dissolved Oxygen	8.57	mg/L	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	Dissolved Oxygen	8.25	mg/L	CAPU-11-13928
TW-2Ar	102	06/20/11	WG	Dissolved Oxygen	8.27	mg/L	CAPU-11-14686
TW-2Ar	102	06/20/11	WG	Dissolved Oxygen	8.58	mg/L	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	Dissolved Oxygen	8.19	mg/L	CAPU-11-14684
TW-2Ar	102	06/02/14	WG	Flow (in gpm)	0.69	gpm	CAPU-14-79432
TW-2Ar	102	08/29/11	WG	Flow (in gpm)	0.6	gpm	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	Flow (in gpm)	0.6	gpm	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	Flow (in gpm)	0.6	gpm	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	Flow (in gpm)	0.6	gpm	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	Flow (in gpm)	0.5	gpm	CAPU-11-13928
TW-2Ar	102	06/20/11	WG	Flow (in gpm)	0.5	gpm	CAPU-11-14686

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
TW-2Ar	102	06/20/11	WG	Flow (in gpm)	0.5	gpm	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	Flow (in gpm)	0.5	gpm	CAPU-11-14684
TW-2Ar	102	03/14/11	WG	Flow (in gpm)	0.5	gpm	CAPU-11-5308
TW-2Ar	102	12/09/10	WG	Flow (in gpm)	0.8	gpm	CAPU-11-2225
TW-2Ar	102	06/02/14	WG	Oxidation-Reduction Potential	92.3	mV	CAPU-14-79432
TW-2Ar	102	06/06/13	WG	Oxidation-Reduction Potential	128.6	mV	CAPU-13-34780
TW-2Ar	102	04/17/12	WG	Oxidation-Reduction Potential	64	mV	CAPU-12-12568
TW-2Ar	102	08/29/11	WG	Oxidation-Reduction Potential	84.5	mV	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	Oxidation-Reduction Potential	94.4	mV	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	Oxidation-Reduction Potential	116.1	mV	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	Oxidation-Reduction Potential	116.6	mV	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	Oxidation-Reduction Potential	58.9	mV	CAPU-11-13928
TW-2Ar	102	06/20/11	WG	Oxidation-Reduction Potential	55.8	mV	CAPU-11-14686
TW-2Ar	102	06/20/11	WG	Oxidation-Reduction Potential	-34.2	mV	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	Oxidation-Reduction Potential	34.7	mV	CAPU-11-14684
TW-2Ar	102	06/02/14	WG	pH	6.77	SU	CAPU-14-79432
TW-2Ar	102	06/06/13	WG	pH	6.69	SU	CAPU-13-34780
TW-2Ar	102	04/17/12	WG	pH	6.81	SU	CAPU-12-12568
TW-2Ar	102	08/29/11	WG	pH	6.69	SU	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	pH	6.74	SU	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	pH	6.74	SU	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	pH	6.74	SU	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	pH	6.95	SU	CAPU-11-13928
TW-2Ar	102	06/20/11	WG	pH	6.91	SU	CAPU-11-14686
TW-2Ar	102	06/20/11	WG	pH	6.93	SU	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	pH	7.08	SU	CAPU-11-14684
TW-2Ar	102	06/02/14	WG	Specific Conductance	387	µS/cm	CAPU-14-79432
TW-2Ar	102	06/06/13	WG	Specific Conductance	385	µS/cm	CAPU-13-34780

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
TW-2Ar	102	04/17/12	WG	Specific Conductance	385	µS/cm	CAPU-12-12568
TW-2Ar	102	08/29/11	WG	Specific Conductance	385	µS/cm	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	Specific Conductance	386	µS/cm	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	Specific Conductance	384	µS/cm	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	Specific Conductance	384	µS/cm	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	Specific Conductance	392	µS/cm	CAPU-11-13928
TW-2Ar	102	06/20/11	WG	Specific Conductance	392	µS/cm	CAPU-11-14686
TW-2Ar	102	06/20/11	WG	Specific Conductance	380	µS/cm	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	Specific Conductance	393	µS/cm	CAPU-11-14684
TW-2Ar	102	06/02/14	WG	Temperature	14.74	deg C	CAPU-14-79432
TW-2Ar	102	06/06/13	WG	Temperature	14.8	deg C	CAPU-13-34780
TW-2Ar	102	04/17/12	WG	Temperature	13.6	deg C	CAPU-12-12568
TW-2Ar	102	08/29/11	WG	Temperature	14.29	deg C	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	Temperature	15.39	deg C	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	Temperature	14.56	deg C	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	Temperature	14.53	deg C	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	Temperature	14.06	deg C	CAPU-11-13928
TW-2Ar	102	06/20/11	WG	Temperature	14.16	deg C	CAPU-11-14686
TW-2Ar	102	06/20/11	WG	Temperature	13.38	deg C	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	Temperature	14.46	deg C	CAPU-11-14684
TW-2Ar	102	06/02/14	WG	Turbidity	1.6	NTU	CAPU-14-79432
TW-2Ar	102	06/06/13	WG	Turbidity	0.6	NTU	CAPU-13-34780
TW-2Ar	102	04/17/12	WG	Turbidity	0.49	NTU	CAPU-12-12568
TW-2Ar	102	08/29/11	WG	Turbidity	0.72	NTU	CAPU-11-26362
TW-2Ar	102	08/29/11	WG	Turbidity	0.82	NTU	CAPU-11-26364
TW-2Ar	102	08/29/11	WG	Turbidity	1.19	NTU	CAPU-11-26374
TW-2Ar	102	08/29/11	WG	Turbidity	1.25	NTU	CAPU-11-26366
TW-2Ar	102	06/20/11	WG	Turbidity	0.41	NTU	CAPU-11-13928

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
TW-2Ar	102	06/20/11	WG	Turbidity	0.81	NTU	CAPU-11-14686
TW-2Ar	102	06/20/11	WG	Turbidity	1.33	NTU	CAPU-11-14682
TW-2Ar	102	06/20/11	WG	Turbidity	0.81	NTU	CAPU-11-14684

[a] WG = Groundwater.

[b] gpm = Gallons per minute.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

Appendix B

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

Appendix C

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

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes; (2) analytical laboratory qualifier codes; and (3) secondary validation flag codes 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	Control Laboratory Program
CRDL	contract-required detection limit
CRI	CDRL check standard
DCG	Derived Concentration Guide (DOE)
DDE	dichlorodiphenyldichloroethylene
DNX	dinitroso-RDX (or hexahydro-1,3-dinitroso-5-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
DQO	data quality objective
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GC/MS	gas chromatography/mass spectrometry
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HH OO	Human Health—Organism Only (NMWQCC standard)
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICAL	initial calibration
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
IS	internal standard
LAL	lower acceptance limit
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
LOC	level of chlorination
LSC	liquid scintillation counting
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitroso-RDX (or hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine)
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMED	New Mexico Environmental Department
NMWQCC	New Mexico Water Quality Control Commission
OPR	ongoing precision recovery
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxin
PCDF	polychlorinated dibenzofuran
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	response factor
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RT	retention time
Scr	screening
SDG	sample delivery group
SMO	Sample Management Office
SSC	suspended sediment concentration
SU	standard unit
TCDD	tetrachlorodibenzo-p-dioxin

Acronyms and Abbreviations (continued)

Acronym, Abbreviation, or Symbol	Description
Miscellaneous (continued)	
TCDF	tetrachlorodibenzofuran
TDS	total dissolved solids
TPH-DRO	total petroleum hydrocarbons—diesel range organics
TNX	trinitroso-RDX (or hexahydro-1,3,5-trinitroso-1,3,5-triazine)
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
W	water
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
INIT	initial
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FR	field rinsate
FS	field split
FTB	field trip blank
FTR	field triplicate
INB	equipment blank taken during installation and not associated with a sampling event
ITB	trip blank taken during installation and not associated with a sampling event
NA	not applicable
PEB	performance evaluation blank

Acronyms and Abbreviations (continued)

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

Acronyms and Abbreviations (continued)

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

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

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Secondary Validation Flag Codes

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

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.57	—	—	0.01	SU	Y	H	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.48	—	—	0.01	SU	Y	H	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.16	—	—	0.01	SU	Y	H	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.09	—	—	0.01	SU	Y	H	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.27	—	—	0.01	SU	Y	H	J-	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	J-	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.87	—	—	0.01	SU	Y	H	J-	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.8	—	—	0.01	SU	Y	H	J-	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	136	—	—	0.725	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	130	—	—	0.725	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	126	—	—	0.725	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	111	—	—	0.725	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	108	—	—	0.73	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.73	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	93.7	—	—	0.73	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	94.2	—	—	0.73	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Aluminum	Al	Y	102	—	—	68	µg/L	Y	J	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	92.8	—	—	68	µg/L	Y	J	J	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	564	—	—	68	µg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Aluminum	Al	Y	541	—	—	68	µg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Aluminum	Al	Y	93.2	—	—	68	µg/L	Y	J	J	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	73.9	—	—	68	µg/L	Y	J	J	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.006	0.00529	0.0346	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0213	0.011	0.0463	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00273	0.00273	0.0492	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00718	0.00633	0.0432	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0104	0.0055	0.025	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.016	0.0085	0.028	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00669	0.004	0.041	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0047	0.0037	0.032	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0571	—	—	0.017	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0839	—	—	0.017	mg/L	Y	—	U	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0334	—	—	0.017	mg/L	Y	J	U	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0721	—	—	0.017	mg/L	Y	—	U	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.041	—	—	0.015	mg/L	Y	J	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.038	—	—	0.016	mg/L	Y	J	J-	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	57.3	—	—	1	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	51.5	—	—	1	µg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	93.2	—	—	1	µg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	94.4	—	—	1	µg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.1	—	—	1	µg/L	Y	—	J	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.6	—	—	1	µg/L	Y	—	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.6	—	—	1	µg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	66.3	—	—	1	µg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	62.6	—	—	15	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	55.3	—	—	15	µg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49	—	—	15	µg/L	Y	J	J	12-1180	CALA-12-12533	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	48.9	—	—	15	µg/L	Y	J	J	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	46.9	—	—	15	µg/L	Y	J	J	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	46.2	—	—	15	µg/L	Y	J	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	31.5	—	—	15	µg/L	Y	J	J	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	33.7	—	—	15	µg/L	Y	J	J	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.31	—	—	0.067	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	1.3	—	—	0.067	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.551	—	—	0.067	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.56	—	—	0.067	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.561	—	—	0.066	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.555	—	—	0.066	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.816	—	—	0.066	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.818	—	—	0.066	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	22.1	—	—	0.05	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.1	—	—	0.05	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38	—	—	0.05	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.1	—	—	0.05	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.7	—	—	0.05	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.5	—	—	0.05	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.6	—	—	0.05	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	23.9	—	—	0.05	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.47	1.48	5.2	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.46	1.8	6.79	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.3	1.51	5.61	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.411	1.48	5.36	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.26	1.1	4	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.41	1.5	4.7	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.41	1.4	4.3	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.73	1.3	4.1	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	17	—	—	0.335	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	14.8	—	—	0.335	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	114	—	—	0.67	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	110	—	—	0.67	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	13.6	—	—	0.066	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	13.5	—	—	0.066	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	58	—	—	0.33	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.1	—	—	0.33	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.08	—	—	2	µg/L	Y	J	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.42	—	—	2	µg/L	Y	J	J	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.03	—	—	2	µg/L	Y	J	J	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.28	—	—	2	µg/L	Y	J	J	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.56	—	—	2	µg/L	Y	J	J	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.81	—	—	2	µg/L	Y	J	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.32	—	—	2.5	µg/L	Y	J	J	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.96	—	—	2.5	µg/L	Y	J	J	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.725	1.1	4.85	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.479	1.98	6.6	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.819	1.37	5.34	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.21	1.32	4.58	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.292	1.3	4.2	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.66	1.4	5	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.732	1.5	5.1	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.803	1.3	3.9	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.665	—	—	0.033	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.798	—	—	0.033	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.628	—	—	0.033	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.631	—	—	0.033	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.953	—	—	0.033	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.961	—	—	0.033	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.646	—	—	0.033	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.655	—	—	0.033	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	2.4	0.681	2.08	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.781	0.665	2.39	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.09	1.21	2.97	—	pCi/L	Y	—	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	2.07	0.994	2.81	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	1.42	0.87	2.7	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.18	0.81	2.6	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.38	0.92	2.4	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0752	0.44	2.3	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	40.5	1.88	2.86	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	42.4	0.919	1.7	—	pCi/L	Y	—	NQ	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	78.1	3.15	2.38	—	pCi/L	Y	—	NQ	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	70.5	2.97	2.52	—	pCi/L	Y	—	NQ	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	33.3	3.5	2.9	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	33.7	3.5	2.9	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	46.9	4.5	2.3	—	pCi/L	Y	—	NQ	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	46.8	4.5	2.1	—	pCi/L	Y	—	NQ	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	76.3	—	—	0.453	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	73	—	—	0.453	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	132	—	—	0.453	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	132	—	—	0.453	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.3	—	—	0.45	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	52.7	—	—	0.45	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	81.7	—	—	0.35	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	83.5	—	—	0.35	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Iron	Fe	Y	37.1	—	—	30	µg/L	Y	J	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	33.5	—	—	30	µg/L	Y	J	J	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	256	—	—	30	µg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	244	—	—	30	µg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	36.8	—	—	30	µg/L	Y	J	U	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	48.4	—	—	30	µg/L	Y	J	U	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	5.16	—	—	0.11	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.9	—	—	0.11	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.92	—	—	0.11	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	8.95	—	—	0.11	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.43	—	—	0.11	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.41	—	—	0.11	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.55	—	—	0.085	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.77	—	—	0.085	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	172	—	—	1.65	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	225	—	—	0.165	µg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	181	—	—	0.165	µg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	182	—	—	0.165	µg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	240	—	—	0.17	µg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	244	—	—	0.17	µg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	177	—	—	0.1	µg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	170	—	—	0.1	µg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.549	2.96	10.5	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-6.81	3.46	10.9	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.09	3.28	10.9	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.834	3.13	10.9	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.6	2.4	7.7	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.75	2.8	9.3	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	24.5	15	44	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	40.6	14	45	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.567	—	—	0.5	µg/L	Y	J	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	1.25	—	—	0.5	µg/L	Y	J	U	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.931	—	—	0.5	µg/L	Y	J	U	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	N	0.981	—	—	0.5	µg/L	Y	J	U	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.794	—	—	0.5	µg/L	Y	J	J	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.796	—	—	0.5	µg/L	Y	J	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.866	—	—	0.5	µg/L	Y	J	J	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.947	—	—	0.5	µg/L	Y	J	J	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.13	—	—	0.085	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.846	—	—	0.017	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.76	—	—	0.085	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.76	—	—	0.085	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.78	—	—	0.05	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.785	—	—	0.05	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.101	—	—	0.01	mg/L	Y	—	U	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.0995	—	—	0.01	mg/L	Y	—	U	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.482	—	—	0.05	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.552	—	—	0.05	µg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.391	—	—	0.05	µg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.402	—	—	0.05	µg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.585	—	—	0.05	µg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.575	—	—	0.05	µg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.243	—	—	0.05	µg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.248	—	—	0.05	µg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00408	0.00408	0.0226	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00211	0.00365	0.0197	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00865	0.047	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0226	0.00795	0.0432	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00658	0.0037	0.02	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00785	0.0048	0.024	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00522	0.0045	0.042	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0042	0.0036	0.033	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00817	0.00646	0.0372	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0105	0.00698	0.0415	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00274	0.00474	0.0398	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00251	0.00665	0.0366	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00329	0.0052	0.031	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-1.87E-09	0.0073	0.037	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00783	0.0078	0.051	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00629	0.007	0.041	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	6.79	—	—	0.05	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.18	—	—	0.05	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.33	—	—	0.05	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	8.37	—	—	0.05	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.95	—	—	0.05	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	5.89	—	—	0.05	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	7.02	—	—	0.05	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.1	—	—	0.05	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.8	17.2	56.6	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.2	20.2	75.7	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-18.2	17.8	57.7	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	0.808	18.4	64.3	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-19.2	17	56	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.27	17	60	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28	19	59	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-5.43	24	72	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	1.6	—	—	1.5	µg/L	Y	J	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	Y	2.51	—	—	1.5	µg/L	Y	J	J	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1.5	µg/L	Y	U	U	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1	µg/L	Y	U	U	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Selenium	Se	N	5	—	—	1	µg/L	Y	U	U	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	45.1	—	—	0.053	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.1	—	—	0.053	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.1	—	—	0.053	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	46.2	—	—	0.053	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.7	—	—	0.053	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	45.1	—	—	0.053	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	50.5	—	—	0.053	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	50.4	—	—	0.053	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	51.7	—	—	0.1	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	46.9	—	—	0.1	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	74.9	—	—	0.1	mg/L	Y	—	J-	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	75.4	—	—	0.1	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	40.6	—	—	0.1	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	39.9	—	—	0.1	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	47	—	—	0.1	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	50.4	—	—	0.1	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.273	1.61	6.3	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.25	1.54	6.33	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.107	1.49	5.53	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.14	1.47	5.13	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.877	1.1	4.1	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.29	1.5	4.7	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.18	1.4	4	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.482	1.3	4.1	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	376	—	—	1	uS/cm	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	381	—	—	1	uS/cm	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	65.5	—	—	1	uS/cm	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	658	—	—	1	uS/cm	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	304	—	—	1	uS/cm	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	301	—	—	1	uS/cm	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	415	—	—	1	uS/cm	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	414	—	—	1	uS/cm	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	140	—	—	1	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	126	—	—	1	µg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	240	—	—	1	µg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	240	—	—	1	µg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	99.6	—	—	1	µg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	98	—	—	1	µg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	145	—	—	1	µg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	152	—	—	1	µg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	12.4	0.641	0.715	—	pCi/L	Y	—	J	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	17	0.568	0.488	—	pCi/L	Y	—	J	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	29.3	0.596	0.506	—	pCi/L	Y	—	NQ	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	Y	29	0.737	0.499	—	pCi/L	Y	—	NQ	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	Y	14.7	1.2	0.49	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	21	1.7	0.49	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	20.8	1.7	0.4	—	pCi/L	Y	—	NQ	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	Y	21.8	1.8	0.45	—	pCi/L	Y	—	NQ	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	21.9	—	—	0.665	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	19.8	—	—	0.665	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	26.7	—	—	0.133	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	26.7	—	—	0.133	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.3	—	—	0.1	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.4	—	—	0.1	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.6	—	—	0.1	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	15.7	—	—	0.1	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	223	—	—	3.4	mg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	256	—	—	3.4	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	369	—	—	3.4	mg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	367	—	—	3.4	mg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	208	—	—	2.4	mg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	208	—	—	2.4	mg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	269	—	—	2.4	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	263	—	—	2.4	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.136	—	—	0.033	mg/L	Y	—	NQ	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0836	—	—	0.033	mg/L	Y	J	J	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.103	—	—	0.035	mg/L	Y	—	J-	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0765	—	—	0.035	mg/L	Y	J	J	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.039	—	—	0.033	mg/L	Y	J	J-	11-1619	CALA-11-5224	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	11-1619	CALA-11-5227	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	09-2651	CALA-09-11092	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.07	—	—	0.033	mg/L	Y	J	J-	09-2651	CALA-09-11091	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.18	—	—	0.33	mg/L	Y	—	NQ	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.68	—	—	0.33	mg/L	Y	—	NQ	2013-934	CALA-13-33421	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.33	—	—	0.33	mg/L	Y	—	NQ	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.42	—	—	0.33	mg/L	Y	—	NQ	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.64	—	—	0.33	mg/L	Y	—	NQ	11-1619	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.65	—	—	0.33	mg/L	Y	—	NQ	11-1619	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.78	—	—	0.33	mg/L	Y	—	NQ	09-2651	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.8	—	—	0.33	mg/L	Y	—	NQ	09-2651	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.127	—	—	0.017	mg/L	Y	—	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.296	—	—	0.017	mg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.198	—	—	0.017	mg/L	Y	—	U	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.166	—	—	0.017	mg/L	Y	—	U	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.168	—	—	0.015	mg/L	Y	—	J	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.176	—	—	0.015	mg/L	Y	—	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.14	—	—	0.015	mg/L	Y	—	NQ	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.178	—	—	0.015	mg/L	Y	—	NQ	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.08	—	—	0.067	µg/L	Y	—	NQ	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.22	—	—	0.067	µg/L	Y	—	NQ	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.16	—	—	0.067	µg/L	Y	—	NQ	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.16	—	—	0.067	µg/L	Y	—	NQ	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.538	—	—	0.067	µg/L	Y	—	NQ	11-1620	CALA-11-5225	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.551	—	—	0.067	µg/L	Y	—	NQ	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.254	—	—	0.05	µg/L	Y	—	U	09-2652	CALA-09-11089	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	N	0.207	—	—	0.05	µg/L	Y	—	U	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.675	0.0471	0.0819	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.621	0.0406	0.0557	—	pCi/L	Y	—	NQ	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.439	0.0448	0.0831	—	pCi/L	Y	—	J	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.394	0.0415	0.0731	—	pCi/L	Y	—	NQ	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.291	0.036	0.06	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.3	0.037	0.062	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.15	0.028	0.16	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0716	0.017	0.12	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0235	0.0111	0.0687	—	pCi/L	Y	U	U	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0345	0.0121	0.0433	—	pCi/L	Y	U	U	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0211	0.0127	0.048	—	pCi/L	Y	U	U	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0223	0.0105	0.0422	—	pCi/L	Y	U	U	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0035	0.0078	0.039	—	pCi/L	Y	U	U	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0216	0.0089	0.04	—	pCi/L	Y	U	U	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00533	0.0053	0.081	—	pCi/L	Y	U	U	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.023	0.011	0.058	—	pCi/L	Y	U	U	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.342	0.0332	0.046	—	pCi/L	Y	—	NQ	2014-3518	CALA-14-79456	GELC
LAO-3a	4.7	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.383	0.0316	0.0356	—	pCi/L	Y	—	NQ	2013-934	CALA-13-33421	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.362	0.0352	0.0534	—	pCi/L	Y	—	J	12-1180	CALA-12-12526	GELC
LAO-3a	4.7	04/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.421	0.0363	0.047	—	pCi/L	Y	—	NQ	12-1180	CALA-12-13007	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.204	0.028	0.041	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5227	GELC
LAO-3a	4.7	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.186	0.027	0.042	—	pCi/L	Y	—	NQ	11-1620	CALA-11-5224	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.121	0.027	0.081	—	pCi/L	Y	—	NQ	09-2653	CALA-09-11091	GELC
LAO-3a	4.7	07/15/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0619	0.016	0.058	—	pCi/L	Y	—	NQ	09-2653	CALA-09-11092	GELC
LAO-3a	4.7	06/06/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.81	—	—	1	µg/L	Y	J	J	2014-3518	CALA-14-79462	GELC
LAO-3a	4.7	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.14	—	—	1	µg/L	Y	J	J	2013-934	CALA-13-33429	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.26	—	—	1	µg/L	Y	J	J	12-1180	CALA-12-12533	GELC
LAO-3a	4.7	04/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.06	—	—	1	µg/L	Y	J	J	12-1180	CALA-12-13008	GELC
LAO-3a	4.7	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.67	—	—	1	µg/L	Y	J	J	11-1620	CALA-11-5225	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
LAO-3a	4.7	03/11/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.62	—	—	1	µg/L	Y	J	J	11-1620	CALA-11-5228	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.78	—	—	1	µg/L	Y	J	J	09-2652	CALA-09-11093	GELC
LAO-3a	4.7	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.73	—	—	1	µg/L	Y	J	J	09-2652	CALA-09-11089	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.03	—	—	0.01	SU	Y	H	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.23	—	—	0.01	SU	Y	H	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.29	—	—	0.01	SU	Y	H	J-	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.18	—	—	0.01	SU	Y	H	J-	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	164	—	—	0.725	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	171	—	—	0.725	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	166	—	—	0.725	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	164	—	—	0.73	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	168	—	—	0.73	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00252	0.0104	0.0437	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.018	0.00848	0.0455	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00392	0.0048	0.0353	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00201	0.002	0.029	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00399	0.0071	0.039	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0363	—	—	0.017	mg/L	Y	J	J	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0721	—	—	0.017	mg/L	Y	—	U	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0476	—	—	0.017	mg/L	Y	J	U	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.022	—	—	0.015	mg/L	Y	J	J	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.042	—	—	0.016	mg/L	Y	J	J-	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.98	—	—	1.7	µg/L	Y	J	J	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.14	—	—	1.7	µg/L	Y	J	J	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	4.99	—	—	1.7	µg/L	Y	J	J	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.86	—	—	1.7	µg/L	Y	J	J	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	4.08	—	—	1.5	µg/L	Y	J	U	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	109	—	—	1	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	114	—	—	1	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	117	—	—	1	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	111	—	—	1	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	115	—	—	1	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	234	—	—	15	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	236	—	—	15	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	243	—	—	15	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	250	—	—	15	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	237	—	—	15	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.155	—	—	0.067	mg/L	Y	J	J	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.118	—	—	0.067	mg/L	Y	J	J	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0905	—	—	0.067	mg/L	Y	J	J	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.133	—	—	0.066	mg/L	Y	J	J	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	46.2	—	—	0.05	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	51.2	—	—	0.05	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	48.8	—	—	0.05	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	48.4	—	—	0.05	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	49.7	—	—	0.05	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.74	1.52	5.92	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.26	1.68	6.29	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.999	1.53	5.64	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.27	1.6	5.6	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.646	1.7	5.2	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	49.9	—	—	0.67	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	47.7	—	—	0.67	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	46.8	—	—	0.67	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	48.9	—	—	0.33	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	47.4	—	—	0.33	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Cobalt	Co	Y	1.3	—	—	1	µg/L	Y	J	J	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.5	—	—	1	µg/L	Y	J	J	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.69	—	—	1	µg/L	Y	J	J	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	1.76	—	—	1	µg/L	Y	J	J	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Cobalt	Co	Y	2.1	—	—	1	µg/L	Y	J	J	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.89	1.55	6.63	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.24	1.5	6	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.373	1.24	4.84	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.367	1.8	5.8	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.07	1.7	6	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.414	—	—	0.033	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.297	—	—	0.033	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.327	—	—	0.033	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.386	—	—	0.033	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.54	0.767	2.77	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.04	0.962	2.52	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.53	0.882	2.66	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.68	1.6	3	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.116	0.59	2.8	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	10.5	0.685	1.87	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	13.9	0.71	1.79	—	pCi/L	Y	—	NQ	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.13	1.1	2.31	—	pCi/L	Y	—	NQ	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	9.95	1.6	2.9	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.23	0.91	1.9	—	pCi/L	Y	—	NQ	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	164	—	—	0.453	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	181	—	—	0.453	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	173	—	—	0.453	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	171	—	—	0.45	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	177	—	—	0.35	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	11.9	—	—	0.11	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	12.8	—	—	0.11	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	12.5	—	—	0.11	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	12.3	—	—	0.11	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	12.8	—	—	0.085	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.49	—	—	0.165	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.95	—	—	0.165	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.73	—	—	0.165	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.69	—	—	0.17	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.92	—	—	0.1	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.906	2.74	9.44	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.05	2.95	10.2	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.285	2.99	10.2	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.22	3	10	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	21.1	13	43	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.66	—	—	0.5	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11.4	—	—	0.5	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.43	—	—	0.5	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.89	—	—	0.5	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11.4	—	—	0.5	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.01	—	—	0.17	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.1	—	—	0.085	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.69	—	—	0.17	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.15	—	—	0.05	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.26	—	—	0.1	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.264	—	—	0.05	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.306	—	—	0.05	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.307	—	—	0.05	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.37	—	—	0.05	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.322	—	—	0.05	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0054	0.0132	0.0641	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-1.51E-09	0.00717	0.0212	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00512	0.0381	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00595	0.0053	0.025	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0124	0.012	0.033	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0172	0.013	0.106	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00906	0.00848	0.0446	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00209	0.00467	0.0295	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0139	0.0066	0.037	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00622	0.0055	0.041	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	8.64	—	—	0.05	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.82	—	—	0.05	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	9.23	—	—	0.05	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.61	—	—	0.05	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	9.15	—	—	0.05	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.4	21.6	63.3	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.15	19.7	72.7	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	13.6	18.8	76.1	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	36.4	23	41	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	45.5	21	79	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	55	—	—	0.053	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56.1	—	—	0.053	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	59.7	—	—	0.053	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.6	—	—	0.053	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	57.1	—	—	0.053	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	43.3	—	—	0.1	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	45.9	—	—	0.1	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	45.3	—	—	0.1	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	44.9	—	—	0.1	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	46.2	—	—	0.1	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.213	1.68	6.5	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.77	1.9	5.94	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.33	1.47	5.8	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.557	1.7	5.6	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-3.16	1.5	3.5	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	566	—	—	1	uS/cm	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	621	—	—	1	uS/cm	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	561	—	—	1	uS/cm	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	580	—	—	1	uS/cm	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	560	—	—	1	uS/cm	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	239	—	—	1	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	257	—	—	1	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	261	—	—	1	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	252	—	—	1	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	259	—	—	1	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0817	0.121	0.438	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.35	0.148	0.478	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.409	0.155	0.483	—	pCi/L	Y	U	U	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.206	0.14	0.47	—	pCi/L	Y	U	U	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0863	0.14	0.47	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	31.2	—	—	1.33	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	30.9	—	—	1.33	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	32.8	—	—	0.133	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	31.8	—	—	0.1	mg/L	Y	—	J+	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.2	—	—	0.1	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	366	—	—	3.4	mg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	373	—	—	3.4	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	331	—	—	3.4	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	372	—	—	2.4	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	369	—	—	2.4	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.41	—	—	0.33	mg/L	Y	—	NQ	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.64	—	—	0.33	mg/L	Y	—	NQ	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.9	—	—	0.33	mg/L	Y	—	NQ	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.62	—	—	0.33	mg/L	Y	—	NQ	11-1616	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.64	—	—	0.33	mg/L	Y	—	NQ	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.08	—	—	0.017	mg/L	Y	—	J	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.973	—	—	0.017	mg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.69	—	—	0.017	mg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.2	—	—	0.015	mg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	1.22	—	—	0.015	mg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.89	—	—	0.067	µg/L	Y	—	NQ	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.83	—	—	0.067	µg/L	Y	—	NQ	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.67	—	—	0.067	µg/L	Y	—	NQ	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.38	—	—	0.067	µg/L	Y	—	NQ	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	2.74	—	—	0.05	µg/L	Y	—	NQ	09-2657	CAPU-09-11239	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.38	0.0604	0.0671	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.44	0.0792	0.0934	—	pCi/L	Y	—	NQ	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.14	0.0557	0.0647	—	pCi/L	Y	—	NQ	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.2	0.1	0.053	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	1.23	0.11	0.12	—	pCi/L	Y	—	NQ	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0769	0.0181	0.0562	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79426	GELC
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.042	0.0196	0.0726	—	pCi/L	Y	U	U	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0427	0.0119	0.0374	—	pCi/L	Y	—	NQ	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0368	0.012	0.034	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0399	0.014	0.06	—	pCi/L	Y	U	U	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.02	0.0519	0.0377	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79426	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
POI-4	159	06/03/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	1.02	0.0664	0.0596	—	pCi/L	Y	—	NQ	2013-914	CAPU-13-34774	GELC
POI-4	159	04/12/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.782	0.0459	0.0416	—	pCi/L	Y	—	NQ	12-1219	CAPU-12-12562	GELC
POI-4	159	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.788	0.072	0.036	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5282	GELC
POI-4	159	07/15/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.859	0.081	0.061	—	pCi/L	Y	—	NQ	09-2657	CAPU-09-11240	GELC
POI-4	159	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.45	—	—	1	µg/L	Y	J	J	2014-3481	CAPU-14-79434	GELC
POI-4	159	06/03/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.15	—	—	1	µg/L	Y	J	J	2013-914	CAPU-13-34782	GELC
POI-4	159	04/12/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.02	—	—	1	µg/L	Y	J	J	12-1219	CAPU-12-12570	GELC
POI-4	159	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	4.92	—	—	1	µg/L	Y	J	U	11-1617	CAPU-11-5280	GELC
POI-4	159	07/15/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.78	—	—	1	µg/L	Y	J	J	09-2657	CAPU-09-11239	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.8	—	—	0.01	SU	Y	H	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.63	—	—	0.01	SU	Y	H	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.5	—	—	0.01	SU	Y	H	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.62	—	—	0.01	SU	Y	H	J-	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.64	—	—	0.01	SU	Y	H	J-	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.53	—	—	0.01	SU	Y	H	J-	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.7	—	—	0.725	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	62.9	—	—	0.725	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.1	—	—	0.725	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.8	—	—	0.73	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.4	—	—	0.73	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.5	—	—	0.73	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00198	0.00951	0.0343	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00286	0.00496	0.0435	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.01	0.00961	0.0361	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00796	0.0042	0.031	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00524	0.0033	0.029	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0145	0.013	0.043	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.176	—	—	0.017	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0648	—	—	0.017	mg/L	Y	—	U	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.044	—	—	0.015	mg/L	Y	J	J	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	14.9	—	—	1	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.8	—	—	1	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15.8	—	—	1	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	15	—	—	1	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	14.8	—	—	1	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	16	—	—	1	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12	—	—	0.05	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.6	—	—	0.05	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.67	1.34	5.19	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.13	0.923	3.26	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.3	1.75	4.32	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.09	1.2	4.2	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.59	2.2	7.5	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.74	1.6	4.4	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.21	—	—	0.067	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.17	—	—	0.067	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.1	—	—	0.067	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.23	—	—	0.066	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.22	—	—	0.066	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.41	—	—	0.066	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.61	—	—	2	µg/L	Y	J	J	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.8	—	—	2	µg/L	Y	J	J	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.72	—	—	2	µg/L	Y	J	J	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	8.76	—	—	2	µg/L	Y	J	J	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	7.8	—	—	2	µg/L	Y	J	J	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.95	—	—	2.5	µg/L	Y	J	J	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.14	0.93	4.07	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.487	0.999	3.53	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.49	0.819	3.1	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.5	1.4	3.6	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.3	1.4	5.1	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.955	1.6	5.6	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Copper	Cu	Y	5.19	—	—	3	µg/L	Y	J	J	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	5.09	—	—	3	µg/L	Y	J	J	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	Y	6.57	—	—	3	µg/L	Y	J	J	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Copper	Cu	N	10	—	—	3	µg/L	Y	U	U	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.185	—	—	0.033	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.227	—	—	0.033	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.253	—	—	0.033	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.252	—	—	0.033	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.261	—	—	0.033	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.281	—	—	0.033	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.311	0.397	1.36	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0322	0.464	2.31	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.88	0.927	2.75	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.21	0.57	2.5	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.05	0.79	2.6	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.472	0.52	2	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.6	0.488	1.56	—	pCi/L	Y	—	NQ	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.373	0.753	2.72	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.17	0.78	2.3	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.99	0.81	2.5	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.22	0.97	2.9	—	pCi/L	Y	—	NQ	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	23.2	2.7	3.8	—	pCi/L	Y	—	NQ	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.5	—	—	0.453	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43	—	—	0.453	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44	—	—	0.453	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.5	—	—	0.45	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	44.3	—	—	0.45	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41.8	—	—	0.35	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.03	—	—	0.11	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.3	—	—	0.11	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.39	—	—	0.11	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.32	—	—	0.11	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.25	—	—	0.11	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.11	—	—	0.085	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Manganese	Mn	Y	13.6	—	—	2	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	9.82	—	—	2	µg/L	Y	J	J	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	6.29	—	—	2	µg/L	Y	J	J	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	11.7	—	—	2	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Manganese	Mn	Y	11.8	—	—	2	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	12.6	—	—	2	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.9	—	—	0.165	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.89	—	—	0.165	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.76	—	—	0.165	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.01	—	—	0.17	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.89	—	—	0.17	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.72	—	—	0.1	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.842	2.2	7.71	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.0615	1.93	6.58	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.335	1.65	5.47	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.31	2.3	7.5	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.327	2.1	6.9	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	16.3	13	45	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.05	—	—	0.5	µg/L	Y	J	J	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.17	—	—	0.5	µg/L	Y	J	J	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.82	—	—	0.5	µg/L	Y	J	J	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.79	—	—	0.5	µg/L	Y	J	J	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.4	—	—	0.5	µg/L	Y	J	J	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.478	—	—	0.017	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.45	—	—	0.017	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.447	—	—	0.085	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.405	—	—	0.05	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.57	—	—	0.05	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.497	—	—	0.05	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.346	—	—	0.05	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.338	—	—	0.05	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.358	—	—	0.05	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.384	—	—	0.05	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.376	—	—	0.05	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.386	—	—	0.05	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00217	0.00575	0.024	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00385	0.0255	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0165	0.0085	0.043	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00782	0.0044	0.024	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0021	0.0021	0.026	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00384	0.0077	0.031	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00614	0.0396	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00272	0.00609	0.0536	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.36E-09	0.00817	0.0333	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00781	0.0044	0.036	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0042	0.0042	0.039	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00192	0.0033	0.038	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	1.12	—	—	0.05	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.999	—	—	0.05	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.22	—	—	0.05	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.18	—	—	0.05	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.11	—	—	0.05	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.6	19	43.6	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	7.26	12.6	46.3	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.6	12	35.2	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-30.9	15	46	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-15.3	16	51	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.05	16	53	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	83.7	—	—	0.053	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	85.7	—	—	0.053	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	92.5	—	—	0.053	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	85.9	—	—	0.053	mg/L	Y	—	J+	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	85.7	—	—	0.053	mg/L	Y	—	J+	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	87.7	—	—	0.053	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.8	—	—	0.1	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.3	—	—	0.1	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14	—	—	0.1	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.252	1.44	4.59	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.915	0.883	3.05	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.335	0.817	2.92	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.76	1.4	5	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.56	1.3	4.6	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.963	1.4	4.9	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	138	—	—	1	uS/cm	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	142	—	—	1	uS/cm	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	140	—	—	1	uS/cm	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	144	—	—	1	uS/cm	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	143	—	—	1	uS/cm	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	141	—	—	1	uS/cm	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	58.2	—	—	1	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.1	—	—	1	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	58	—	—	1	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.2	—	—	1	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	57.7	—	—	1	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.9	—	—	1	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0242	0.129	0.483	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.142	0.145	0.493	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.392	0.153	0.49	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.292	0.11	0.5	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0604	0.11	0.4	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.116	0.1	0.35	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.46	—	—	0.133	mg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.51	—	—	0.133	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.49	—	—	0.133	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.72	—	—	0.1	mg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.67	—	—	0.1	mg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.53	—	—	0.1	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	163	—	—	3.4	mg/L	Y	—	J	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	151	—	—	3.4	mg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	120	—	—	3.4	mg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	2.4	mg/L	Y	—	J	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	2.4	mg/L	Y	—	J	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	2.4	mg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0433	—	—	0.017	mg/L	Y	J	J	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0395	—	—	0.017	mg/L	Y	J	J	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0419	—	—	0.017	mg/L	Y	J	J	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.038	—	—	0.015	mg/L	Y	J	U	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.104	—	—	0.015	mg/L	Y	—	U	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.049	—	—	0.015	mg/L	Y	J	J	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.312	—	—	0.067	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.429	—	—	0.067	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.334	—	—	0.067	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.388	—	—	0.067	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.393	—	—	0.067	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.43	—	—	0.05	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.294	0.0285	0.065	—	pCi/L	Y	—	NQ	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.331	0.0298	0.0582	—	pCi/L	Y	—	NQ	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.281	0.0299	0.0612	—	pCi/L	Y	—	NQ	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.366	0.04	0.054	—	pCi/L	Y	—	NQ	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.355	0.04	0.054	—	pCi/L	Y	—	NQ	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.395	0.042	0.097	—	pCi/L	Y	—	NQ	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00621	0.00621	0.0545	—	pCi/L	Y	U	U	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00982	0.00866	0.0453	—	pCi/L	Y	U	U	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00621	0.00761	0.0353	—	pCi/L	Y	U	U	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0155	0.0083	0.034	—	pCi/L	Y	U	U	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00625	0.0063	0.035	—	pCi/L	Y	U	U	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0125	0.0063	0.047	—	pCi/L	Y	U	U	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.126	0.0185	0.0365	—	pCi/L	Y	—	NQ	2014-3510	CAPU-14-79427	GELC
R-2	906.4	06/12/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.0178	0.0372	—	pCi/L	Y	—	NQ	2013-952	CAPU-13-34775	GELC
R-2	906.4	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.113	0.0169	0.0393	—	pCi/L	Y	—	NQ	12-1231	CAPU-12-12563	GELC
R-2	906.4	03/09/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.178	0.025	0.037	—	pCi/L	Y	—	NQ	11-1594	CAPU-11-5292	GELC
R-2	906.4	03/09/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.096	0.018	0.037	—	pCi/L	Y	—	NQ	11-1594	CAPU-11-5290	GELC
R-2	906.4	07/10/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.174	0.024	0.048	—	pCi/L	Y	—	NQ	09-2599	CAPU-09-11257	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	8.28	—	—	1	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.31	—	—	1	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	9.32	—	—	1	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.54	—	—	1	µg/L	Y	—	NQ	11-1594	CAPU-11-5291	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.47	—	—	1	µg/L	Y	—	NQ	11-1594	CAPU-11-5293	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.52	—	—	1	µg/L	Y	—	NQ	09-2599	CAPU-09-11258	GELC
R-2	906.4	06/05/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	13.2	—	—	3.3	µg/L	Y	—	NQ	2014-3510	CAPU-14-79435	GELC
R-2	906.4	06/12/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	11.7	—	—	3.3	µg/L	Y	—	NQ	2013-952	CAPU-13-34783	GELC
R-2	906.4	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.7	—	—	3.3	µg/L	Y	—	NQ	12-1231	CAPU-12-12571	GELC
R-2	906.4	03/09/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.05	—	—	3.3	µg/L	Y	J	J	11-1594	CAPU-11-5293	GELC
R-2	906.4	03/09/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.16	—	—	3.3	µg/L	Y	J	J	11-1594	CAPU-11-5291	GELC
R-2	906.4	07/10/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.48	—	—	3.3	µg/L	Y	J	J	09-2599	CAPU-09-11258	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	J-	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J-	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.725	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.725	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	103	—	—	0.725	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	104	—	—	0.73	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	105	—	—	0.73	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.00654	0.0461	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00191	0.00506	0.0291	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00194	0.00433	0.0349	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00795	0.004	0.028	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00495	0.012	0.045	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0274	—	—	0.017	mg/L	Y	J	J	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0369	—	—	0.017	mg/L	Y	J	J	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.042	—	—	0.017	mg/L	Y	J	U	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.121	—	—	0.015	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	1.78	—	—	1.7	µg/L	Y	J	J	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.4	—	—	1.7	µg/L	Y	J	J	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	3.71	—	—	1.7	µg/L	Y	J	J	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	10.6	—	—	1.5	µg/L	Y	—	U	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	53.5	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	53.1	—	—	1	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	58.1	—	—	1	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	59.3	—	—	1	µg/L	Y	—	J	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	50.6	—	—	15	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	45.9	—	—	15	µg/L	Y	J	J	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	50.4	—	—	15	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	49.9	—	—	15	µg/L	Y	J	J	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	51.7	—	—	15	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	21.8	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.8	—	—	0.05	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	21.4	—	—	0.05	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.9	—	—	0.05	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20	—	—	0.05	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.13	1.7	4.69	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.747	1.98	7.18	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.153	1.47	5.16	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.873	1.4	4.5	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.657	1.7	5.4	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	8.31	—	—	0.067	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.96	—	—	0.067	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.53	—	—	0.067	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.57	—	—	0.066	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	7.51	—	—	0.066	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.68	—	—	2	µg/L	Y	J	J	2014-3494	CAPU-14-79436	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.45	—	—	2	µg/L	Y	J	J	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.8	—	—	2	µg/L	Y	J	J	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.78	—	—	2	µg/L	Y	J	J	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.35	—	—	2.5	µg/L	Y	J	J	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0249	1.71	6.3	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.89	1.47	7.33	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.36	1.47	6.28	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.51	1.8	5	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.77	1.6	4.1	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.403	—	—	0.033	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.302	—	—	0.033	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.307	—	—	0.033	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.358	—	—	0.033	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.935	0.558	1.84	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.14	0.797	2.69	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.18	0.711	2.24	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.557	0.73	2.8	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.631	0.71	2.5	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.74	0.502	1.56	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.04	0.512	1.53	—	pCi/L	Y	—	NQ	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.6	0.872	2.82	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.97	0.85	2.6	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3	0.62	1.7	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	69.8	—	—	0.453	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.8	—	—	0.453	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.8	—	—	0.453	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67	—	—	0.45	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	64.8	—	—	0.35	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.74	—	—	0.11	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.59	—	—	0.11	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.75	—	—	0.11	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.61	—	—	0.11	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.62	—	—	0.085	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.81	—	—	0.165	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2	—	—	0.165	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.22	—	—	0.165	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.46	—	—	0.17	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.52	—	—	0.1	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.21	2.79	9.06	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.69	3.39	11.1	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.05	2.28	8.56	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.417	3.1	10	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	44.1	15	48	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.17	—	—	0.5	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.71	—	—	0.5	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	10.1	—	—	0.5	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.23	—	—	0.5	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.25	—	—	0.5	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.341	—	—	0.017	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.372	—	—	0.017	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.354	—	—	0.085	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.368	—	—	0.05	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.119	—	—	0.01	mg/L	Y	—	U	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.358	—	—	0.05	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.426	—	—	0.05	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.384	—	—	0.05	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.439	—	—	0.05	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.394	—	—	0.05	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00592	0.00725	0.0327	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00476	0.00476	0.0223	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00638	0.00475	0.0388	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00972	0.0048	0.024	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00402	0.0064	0.032	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0385	0.0122	0.0539	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00952	0.00753	0.0469	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00425	0.00425	0.03	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00389	0.0048	0.036	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0049	0.039	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	3.25	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.19	—	—	0.05	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.45	—	—	0.05	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.31	—	—	0.05	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	3.26	—	—	0.05	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.2	19.3	48.1	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.6	25.9	107	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.3	18.6	73.1	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-26.2	21	59	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.7	19	60	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	56.4	—	—	0.053	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	56	—	—	0.053	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	58.9	—	—	0.053	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	54.2	—	—	0.053	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	55.3	—	—	0.053	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.6	—	—	0.1	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.6	—	—	0.1	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.6	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.53	1.19	5.23	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.571	1.55	6.83	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	2.83	1.33	5.95	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.8	1.7	5	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-5.98	1.8	4	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	248	—	—	1	uS/cm	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	243	—	—	1	uS/cm	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	237	—	—	1	uS/cm	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	247	—	—	1	uS/cm	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	232	—	—	1	uS/cm	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	120	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	115	—	—	1	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	125	—	—	1	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	118	—	—	1	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	113	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.112	0.119	0.475	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.113	0.106	0.444	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.126	0.124	0.496	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00229	0.14	0.51	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0963	0.11	0.39	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.12	—	—	0.133	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.26	—	—	0.133	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	6.75	—	—	0.133	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.17	—	—	0.1	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.09	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	3.4	mg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	153	—	—	3.4	mg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	173	—	—	3.4	mg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	2.4	mg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	180	—	—	2.4	mg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.448	—	—	0.33	mg/L	Y	J	J	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.671	—	—	0.33	mg/L	Y	J	J	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.591	—	—	0.33	mg/L	Y	J	J	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-1616	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.405	—	—	0.33	mg/L	Y	J	U	09-2673	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.5	—	—	0.067	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.25	—	—	0.067	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.53	—	—	0.067	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.47	—	—	0.067	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.39	—	—	0.05	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.91	0.0534	0.0785	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.828	0.051	0.0641	—	pCi/L	Y	—	J	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.72	0.053	0.0948	—	pCi/L	Y	—	NQ	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.775	0.072	0.056	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.871	0.097	0.19	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.03	0.0119	0.0658	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0288	0.0135	0.0498	—	pCi/L	Y	U	U	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0434	0.0145	0.0548	—	pCi/L	Y	U	U	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0358	0.011	0.036	—	pCi/L	Y	U	U	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0346	0.016	0.093	—	pCi/L	Y	U	U	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.507	0.0399	0.0441	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79428	GELC
R-24	825	06/04/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.434	0.0377	0.0409	—	pCi/L	Y	—	J	2013-917	CAPU-13-34776	GELC
R-24	825	04/11/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.491	0.0441	0.061	—	pCi/L	Y	—	NQ	12-1216	CAPU-12-12564	GELC
R-24	825	03/11/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.397	0.043	0.038	—	pCi/L	Y	—	NQ	11-1617	CAPU-11-5296	GELC
R-24	825	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.485	0.064	0.094	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11269	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	17.1	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	18.7	—	—	1	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.7	—	—	1	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	16.2	—	—	1	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	17.6	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-24	825	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Zinc	Zn	Y	11.2	—	—	3.3	µg/L	Y	—	NQ	2014-3494	CAPU-14-79436	GELC
R-24	825	06/04/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	11.9	—	—	3.3	µg/L	Y	—	NQ	2013-917	CAPU-13-34784	GELC
R-24	825	04/11/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.1	—	—	3.3	µg/L	Y	—	NQ	12-1216	CAPU-12-12572	GELC
R-24	825	03/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14	—	—	3.3	µg/L	Y	—	NQ	11-1617	CAPU-11-5297	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-24	825	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	14.7	—	—	3.3	µg/L	Y	—	NQ	09-2673	CAPU-09-11270	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.27	—	—	0.01	SU	Y	H	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.34	—	—	0.01	SU	Y	H	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.29	—	—	0.01	SU	Y	H	J-	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	J-	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	J-	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.7	—	—	0.725	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	82.2	—	—	0.725	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	85	—	—	0.725	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	86.5	—	—	0.73	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.9	—	—	0.73	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	88.9	—	—	0.73	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0361	0.0115	0.0446	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0117	0.00826	0.0443	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00544	0.00544	0.049	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0128	0.0071	0.013	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00217	0.0038	0.03	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0047	0.0094	0.033	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0958	—	—	0.017	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0185	—	—	0.017	mg/L	Y	J	J	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0583	—	—	0.017	mg/L	Y	—	U	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2661	CAPU-11-13936	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0498	—	—	0.016	mg/L	Y	J	J	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.13	—	—	1.7	µg/L	Y	J	J	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	Y	2.06	—	—	1.7	µg/L	Y	J	J	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	5	—	—	1.7	µg/L	Y	U	U	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Arsenic	As	N	6.62	—	—	1.7	µg/L	Y	—	U	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Arsenic	As	N	6.7	—	—	1.7	µg/L	Y	—	U	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	42	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46.2	—	—	1	µg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	46	—	—	1	µg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	45.3	—	—	1	µg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	43.5	—	—	1	µg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	42.5	—	—	1	µg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	RE	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	N	0.0521	—	—	0.0167	µg/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(g,h,i)perylene	191-24-2	Y	0.0187	—	—	0.0165	µg/L	N	J	R	2014-3500	CAPU-14-79429	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1	—	—	0.3	µg/L	Y	U	UJ	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.11	—	—	0.22	µg/L	Y	U	U	11-2660	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.11	—	—	0.22	µg/L	Y	U	U	11-2660	CAPU-11-13932	GELC
R-3	974.5	03/08/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.11	—	—	0.22	µg/L	Y	U	U	11-1573	CAPU-11-5621	GELC
R-3	974.5	12/07/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1.06	—	—	0.21	µg/L	Y	U	U	11-844	CAPU-11-2232	GELC
R-3	974.5	12/07/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(g,h,i)perylene	191-24-2	N	1	—	—	0.2	µg/L	Y	U	U	11-844	CAPU-11-2230	GELC
R-3	974.5	06/04/14	WG	UF	RE	REG	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	N	0.026	—	—	0.00833	µg/L	Y	U	UJ	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	Y	0.0116	—	—	0.00825	µg/L	N	J	R	2014-3500	CAPU-14-79429	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1	—	—	0.3	µg/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.11	—	—	0.22	µg/L	Y	U	U	11-2660	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.11	—	—	0.22	µg/L	Y	U	U	11-2660	CAPU-11-13932	GELC
R-3	974.5	03/08/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.11	—	—	0.22	µg/L	Y	U	U	11-1573	CAPU-11-5621	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	12/07/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.06	—	—	0.21	µg/L	Y	U	U	11-844	CAPU-11-2232	GELC
R-3	974.5	12/07/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1	—	—	0.2	µg/L	Y	U	U	11-844	CAPU-11-2230	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	18.9	—	—	15	µg/L	Y	J	J	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	21.7	—	—	15	µg/L	Y	J	J	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.7	—	—	15	µg/L	Y	J	J	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.4	—	—	15	µg/L	Y	J	J	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	23	—	—	15	µg/L	Y	J	J	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	23.3	—	—	15	µg/L	Y	J	J	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.2	—	—	0.05	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.6	—	—	0.05	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.1	—	—	0.05	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19.6	—	—	0.05	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	Y	2.61	—	—	1.5	µg/L	Y	HJ	J	2014-3500	CAPU-14-79429	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	5	—	—	1.3	µg/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	5	—	—	1.3	µg/L	Y	U	U	11-2660	CAPU-11-13932	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	5	—	—	1.3	µg/L	Y	U	U	11-2660	CAPU-11-13934	GELC
R-3	974.5	03/08/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	5	—	—	1.3	µg/L	Y	U	U	11-1573	CAPU-11-5621	GELC
R-3	974.5	12/07/10	WG	UF	INIT	FD	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	5	—	—	1.3	µg/L	Y	U	U	11-844	CAPU-11-2232	GELC
R-3	974.5	12/07/10	WG	UF	INIT	REG	VOC	SW-846:8260B	Carbon Disulfide	75-15-0	N	5	—	—	1.3	µg/L	Y	U	U	11-844	CAPU-11-2230	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.615	1.54	5.59	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	0.83	3.12	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.66	1.18	3.79	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.12	1.4	4.8	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.581	1.3	4	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.21	1.4	4.9	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.13	—	—	0.067	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.02	—	—	0.067	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.73	—	—	0.067	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.97	—	—	0.066	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.15	—	—	0.066	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	3.09	—	—	0.066	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.78	—	—	2	µg/L	Y	J	J	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.46	—	—	2	µg/L	Y	J	J	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.46	—	—	2	µg/L	Y	J	J	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	N	7.02	—	—	2	µg/L	Y	J	U	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	7.86	—	—	2	µg/L	Y	J	U	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.81	1.8	7.01	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.406	1.07	3.88	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.39	1.03	3.36	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.453	1.4	4.5	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0686	1.5	4.8	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.41	1.7	6.3	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	UF	RE	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	N	0.0521	—	—	0.0167	µg/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Dibenz(a,h)anthracene	53-70-3	Y	0.0216	—	—	0.0165	µg/L	N	J	R	2014-3500	CAPU-14-79429	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1	—	—	0.3	µg/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.11	—	—	0.22	µg/L	Y	U	U	11-2660	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.11	—	—	0.22	µg/L	Y	U	U	11-2660	CAPU-11-13932	GELC
R-3	974.5	03/08/11	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.11	—	—	0.22	µg/L	Y	U	UJ	11-1573	CAPU-11-5621	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	12/07/10	WG	UF	INIT	REG	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1	—	—	0.2	µg/L	Y	U	U	11-844	CAPU-11-2230	GELC
R-3	974.5	12/07/10	WG	UF	INIT	FD	SVOC	SW-846:8270C	Dibenz(a,h)anthracene	53-70-3	N	1.06	—	—	0.21	µg/L	Y	U	U	11-844	CAPU-11-2232	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.439	—	—	0.033	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.247	—	—	0.033	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.283	—	—	0.033	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.255	—	—	0.033	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.285	—	—	0.033	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.293	—	—	0.033	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.905	0.442	1.43	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.6	0.931	2.99	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.81	0.871	2.51	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.717	0.53	1.8	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.394	0.5	2	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.984	0.67	2.2	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.9	0.478	1.47	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.35	0.489	1.5	—	pCi/L	Y	—	NQ	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.29	1.06	2.44	—	pCi/L	Y	—	NQ	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.627	0.72	2.8	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.56	0.76	2.3	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.6	0.85	2.3	—	pCi/L	Y	—	NQ	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.1	—	—	0.453	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.8	—	—	0.453	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.8	—	—	0.453	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	67.2	—	—	0.45	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	66.8	—	—	0.45	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	68.3	—	—	0.45	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	4.26	—	—	0.11	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.56	—	—	0.11	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.58	—	—	0.11	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.44	—	—	0.11	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.42	—	—	0.11	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.33	—	—	0.11	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.165	µg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.18	—	—	0.165	µg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.32	—	—	0.17	µg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.17	µg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.28	—	—	0.17	µg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.546	2.87	10.2	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.45	2.4	6.83	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.51	2.16	7.33	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.96	2.6	8.7	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	03/08/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.31	2.7	9.2	—	pCi/L	Y	U	U	11-1573	CAPU-11-5621	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.56	—	—	0.085	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.54	—	—	0.017	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.52	—	—	0.085	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.534	—	—	0.1	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.454	—	—	0.05	mg/L	Y	—	J+	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.482	—	—	0.05	mg/L	Y	—	J+	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.529	—	—	0.05	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.52	—	—	0.05	µg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	04/16/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.548	—	—	0.05	µg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.491	—	—	0.05	µg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.529	—	—	0.05	µg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.517	—	—	0.05	µg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00578	0.0261	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00222	0.00384	0.0208	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00686	0.0511	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.002	0.035	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0045	0.0055	0.027	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	2.73E-10	0.0046	0.028	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00944	0.00746	0.043	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00222	0.00665	0.0437	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00396	0.0395	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00204	0.0061	0.05	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00675	0.0068	0.041	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00229	0.004	0.042	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.21	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.56	—	—	0.05	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.57	—	—	0.05	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.33	—	—	0.05	mg/L	Y	—	J	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	J	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	11.4	19.9	73.8	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.5	19.2	40.7	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.44	14.2	55.9	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-10.4	16	56	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-7.2	16	59	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.79	19	67	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	61.1	—	—	0.053	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	65.3	—	—	0.053	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67	—	—	0.053	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	63.7	—	—	0.053	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	62.9	—	—	0.053	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.7	—	—	0.053	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.9	—	—	0.1	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.8	—	—	0.1	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.7	—	—	0.1	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.173	1.75	5.67	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0334	1.07	3.93	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.891	1.15	3.93	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.74	1.3	3.8	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.635	1.5	5.2	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.392	1.3	4.2	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	185	—	—	1	uS/cm	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	uS/cm	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	uS/cm	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	194	—	—	1	uS/cm	Y	—	NQ	11-2661	CAPU-11-13933	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	192	—	—	1	uS/cm	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	101	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	107	—	—	1	µg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	111	—	—	1	µg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	107	—	—	1	µg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	106	—	—	1	µg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	104	—	—	1	µg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.108	0.094	0.406	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.406	0.142	0.459	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.105	0.108	0.406	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.113	0.14	0.48	—	pCi/L	Y	U	U	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.395	0.16	0.5	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.206	0.15	0.5	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.01	—	—	0.133	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.99	—	—	0.133	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.74	—	—	0.133	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.84	—	—	0.1	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.3	—	—	0.1	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.27	—	—	0.1	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	3.4	mg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	3.4	mg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	137	—	—	3.4	mg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	160	—	—	2.4	mg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	172	—	—	2.4	mg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.909	—	—	0.067	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1	—	—	0.067	µg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.969	—	—	0.067	µg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.11	—	—	0.067	µg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.05	—	—	0.067	µg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	1.02	—	—	0.067	µg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.524	0.0359	0.0625	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.57	0.0419	0.0655	—	pCi/L	Y	—	J	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.503	0.0419	0.0728	—	pCi/L	Y	—	J	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.705	0.066	0.053	—	pCi/L	Y	—	NQ	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.613	0.064	0.09	—	pCi/L	Y	—	NQ	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.612	0.064	0.09	—	pCi/L	Y	—	NQ	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0269	0.0123	0.0524	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0221	0.0104	0.051	—	pCi/L	Y	U	U	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0074	0.0117	0.0421	—	pCi/L	Y	U	U	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0383	0.012	0.033	—	pCi/L	Y	—	NQ	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00809	0.0057	0.052	—	pCi/L	Y	U	U	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.008	0.051	—	pCi/L	Y	U	U	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.295	0.0271	0.0351	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79429	GELC
R-3	974.5	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.301	0.0303	0.0418	—	pCi/L	Y	—	J	2013-940	CAPU-13-34777	GELC
R-3	974.5	04/16/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.344	0.0337	0.0468	—	pCi/L	Y	—	J	12-1229	CAPU-12-12565	GELC
R-3	974.5	08/24/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.333	0.038	0.041	—	pCi/L	Y	—	NQ	11-3316	CAPU-11-26381	GELC
R-3	974.5	06/13/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.314	0.04	0.04	—	pCi/L	Y	—	NQ	11-2662	CAPU-11-13934	GELC
R-3	974.5	06/13/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.351	0.043	0.04	—	pCi/L	Y	—	NQ	11-2662	CAPU-11-13932	GELC
R-3	974.5	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	12.1	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79437	GELC
R-3	974.5	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	12.9	—	—	1	µg/L	Y	—	NQ	2013-940	CAPU-13-34785	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3	974.5	04/16/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	13	—	—	1	µg/L	Y	—	NQ	12-1229	CAPU-12-12573	GELC
R-3	974.5	08/24/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.7	—	—	1	µg/L	Y	—	NQ	11-3316	CAPU-11-26382	GELC
R-3	974.5	06/13/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.4	—	—	1	µg/L	Y	—	NQ	11-2661	CAPU-11-13936	GELC
R-3	974.5	06/13/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	11.2	—	—	1	µg/L	Y	—	NQ	11-2661	CAPU-11-13933	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.91	—	—	0.01	SU	Y	H	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.82	—	—	0.01	SU	Y	H	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.73	—	—	0.01	SU	Y	H	J-	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	J-	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	5.81	—	—	0.01	SU	Y	H	J-	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	155	—	—	0.725	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	158	—	—	0.725	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	156	—	—	0.725	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	154	—	—	0.73	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	156	—	—	0.73	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	157	—	—	0.73	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00856	0.0121	0.074	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00571	0.00902	0.0433	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00407	0.00288	0.0367	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0119	0.0063	0.034	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00317	0.0025	0.034	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00995	0.0065	0.043	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0376	—	—	0.017	mg/L	Y	J	J	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0876	—	—	0.017	mg/L	Y	—	U	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0599	—	—	0.017	mg/L	Y	—	U	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.143	—	—	0.015	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.029	—	—	0.016	mg/L	Y	J	J-	09-2716	CAPU-09-11234	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.021	—	—	0.016	mg/L	Y	J	J-	09-2716	CAPU-09-11233	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	98.3	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	100	—	—	1	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	105	—	—	1	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	98.2	—	—	1	µg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	98.8	—	—	1	µg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	104	—	—	1	µg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	101	—	—	15	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	101	—	—	15	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	101	—	—	15	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	94	—	—	15	µg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	94.2	—	—	15	µg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	97.7	—	—	15	µg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.157	—	—	0.067	mg/L	Y	J	J	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.148	—	—	0.067	mg/L	Y	J	J	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.16	—	—	0.067	mg/L	Y	J	J	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.178	—	—	0.066	mg/L	Y	J	J	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.195	—	—	0.066	mg/L	Y	J	J	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.196	—	—	0.066	mg/L	Y	J	J	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	57.7	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	60	—	—	0.05	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	59.5	—	—	0.05	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	58.1	—	—	0.05	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	55.4	—	—	0.05	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	57.8	—	—	0.05	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.95	1.4	4.36	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.31	1.27	4.58	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.92	1.31	4.01	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.07	1.9	6	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.12	1.6	5.1	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.36	1.5	4.4	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.9	—	—	0.67	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.1	—	—	0.67	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	42.3	—	—	0.67	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.4	—	—	1.3	mg/L	Y	—	J+	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.6	—	—	0.33	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	37.7	—	—	0.33	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.424	0.967	3.56	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.85	0.823	4.14	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.553	0.947	3.67	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.319	1.9	6.2	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.0553	1.2	3.9	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.681	1.7	5.7	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.408	—	—	0.033	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.351	—	—	0.033	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.334	—	—	0.033	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.329	—	—	0.033	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.321	—	—	0.033	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	8.57	0.824	1.74	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.62	1.46	2.71	—	pCi/L	Y	—	NQ	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.3	1.44	2.9	—	pCi/L	Y	—	NQ	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	4.36	1.4	2.9	—	pCi/L	Y	—	NQ	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	4.56	1.7	4.5	—	pCi/L	Y	—	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	5.4	1.6	3.2	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.55	0.64	1.81	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.44	0.681	2	—	pCi/L	Y	—	NQ	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	10.3	1.3	2.54	—	pCi/L	Y	—	NQ	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	7.79	1.3	2.4	—	pCi/L	Y	—	NQ	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	7.31	1.4	3.2	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	6.85	1.4	3.4	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	211	—	—	0.453	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	219	—	—	0.453	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	217	—	—	0.453	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	213	—	—	0.45	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	202	—	—	0.35	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	209	—	—	0.35	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	16.3	—	—	0.11	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.8	—	—	0.11	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.6	—	—	0.11	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	16.4	—	—	0.11	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.5	—	—	0.085	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	15.8	—	—	0.085	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.933	—	—	0.165	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.13	—	—	0.165	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.921	—	—	0.165	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.18	—	—	0.17	µg/L	Y	—	U	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.96	—	—	0.1	µg/L	Y	—	U	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.915	—	—	0.1	µg/L	Y	—	U	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.72	2.3	8.03	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.881	2.56	8.69	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.52	2.12	7.61	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.949	3.2	11	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	11.1	14	45	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	22	13	40	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.6	—	—	0.5	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.56	—	—	0.5	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.24	—	—	0.5	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.54	—	—	0.5	µg/L	Y	—	J	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.56	—	—	0.5	µg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	8.41	—	—	0.5	µg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.29	—	—	0.17	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.35	—	—	0.085	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	4.83	—	—	0.425	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.1	—	—	0.05	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	5.65	—	—	0.5	mg/L	Y	—	J-	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	7.65	—	—	0.25	mg/L	Y	—	J-	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.04	—	—	0.2	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.2	—	—	0.25	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.3	—	—	0.25	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	2.41	—	—	0.25	µg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.23	—	—	0.25	µg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.45	—	—	0.25	µg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00548	0.00672	0.0303	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00901	0.00712	0.0211	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.004	0.0049	0.0365	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0018	0.022	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00437	0.0038	0.035	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0102	0.005	0.033	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00822	0.00909	0.0499	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00675	0.00928	0.0443	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.004	0.00566	0.0282	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00533	0.0073	0.033	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00218	0.0038	0.043	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00204	0.0046	0.04	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	5.97	—	—	0.05	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.08	—	—	0.05	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.09	—	—	0.05	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.06	—	—	0.05	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.76	—	—	0.05	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	5.91	—	—	0.05	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.41	14	53.3	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.5	17.8	56.9	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	10.9	19.1	37.5	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.556	20	64	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-4.08	20	65	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.72	16	55	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	49.7	—	—	0.053	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	51.3	—	—	0.053	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	52.2	—	—	0.053	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	48.5	—	—	0.053	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	49.5	—	—	0.053	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	52.5	—	—	0.053	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	18.1	—	—	0.1	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.9	—	—	0.1	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.7	—	—	0.1	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18.4	—	—	0.1	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	18	—	—	0.1	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	16.9	—	—	0.1	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.417	0.947	3.73	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.71	1.5	5.39	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.35	1.01	3.4	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.819	1.8	5.8	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-4.59	1.5	3.7	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.6	1.5	4.5	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	546	—	—	1	uS/cm	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	542	—	—	1	uS/cm	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	542	—	—	1	uS/cm	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	541	—	—	1	uS/cm	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	525	—	—	1	uS/cm	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	527	—	—	1	uS/cm	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	278	—	—	1	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	280	—	—	1	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	287	—	—	1	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	281	—	—	1	µg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	273	—	—	1	µg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	265	—	—	1	µg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.102	0.137	0.48	—	pCi/L	Y	U	U	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.272	0.147	0.481	—	pCi/L	Y	U	U	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.144	0.136	0.455	—	pCi/L	Y	U	U	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00273	0.064	0.23	—	pCi/L	Y	U	U	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.117	0.13	0.46	—	pCi/L	Y	U	U	09-2716	CAPU-09-11231	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.162	0.13	0.43	—	pCi/L	Y	U	U	09-2716	CAPU-09-11235	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.8	—	—	1.33	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	28.2	—	—	1.33	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	29	—	—	0.133	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	29.5	—	—	0.1	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	25.5	—	—	0.1	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	25.4	—	—	0.1	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	331	—	—	3.4	mg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	329	—	—	3.4	mg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	300	—	—	3.4	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	319	—	—	2.4	mg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	326	—	—	2.4	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	332	—	—	2.4	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.731	—	—	0.33	mg/L	Y	J	J	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.26	—	—	0.33	mg/L	Y	—	NQ	2013-926	CAPU-13-34778	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-3i	215.2	04/13/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.35	—	—	0.33	mg/L	Y	—	NQ	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.06	—	—	0.33	mg/L	Y	—	NQ	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.948	—	—	0.33	mg/L	Y	J	J	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.827	—	—	0.33	mg/L	Y	J	J	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0231	—	—	0.017	mg/L	Y	J	J	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0982	—	—	0.017	mg/L	Y	—	U	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0717	—	—	0.017	mg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0562	—	—	0.015	mg/L	Y	—	U	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.057	—	—	0.015	mg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.107	—	—	0.015	mg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	9.38	—	—	0.067	µg/L	Y	—	NQ	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	8.25	—	—	0.067	µg/L	Y	—	NQ	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	9.25	—	—	0.067	µg/L	Y	—	NQ	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	9.71	—	—	0.067	µg/L	Y	—	NQ	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	9.46	—	—	0.05	µg/L	Y	—	NQ	09-2716	CAPU-09-11234	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	9.65	—	—	0.05	µg/L	Y	—	NQ	09-2716	CAPU-09-11233	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.45	0.105	0.0643	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.35	0.103	0.0539	—	pCi/L	Y	—	NQ	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.3	0.0968	0.0524	—	pCi/L	Y	—	NQ	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.15	0.31	0.054	—	pCi/L	Y	—	NQ	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.31	0.36	0.17	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	4.62	0.38	0.17	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.151	0.0224	0.0539	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.203	0.0252	0.0419	—	pCi/L	Y	—	NQ	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.133	0.0203	0.0302	—	pCi/L	Y	—	NQ	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.133	0.022	0.034	—	pCi/L	Y	—	NQ	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.137	0.031	0.082	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11231	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.206	0.04	0.087	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11235	GELC
R-3i	215.2	06/04/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.97	0.0861	0.0361	—	pCi/L	Y	—	NQ	2014-3500	CAPU-14-79430	GELC
R-3i	215.2	06/05/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.74	0.0822	0.0344	—	pCi/L	Y	—	NQ	2013-926	CAPU-13-34778	GELC
R-3i	215.2	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.88	0.0793	0.0337	—	pCi/L	Y	—	NQ	12-1225	CAPU-12-12566	GELC
R-3i	215.2	03/22/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	2.84	0.22	0.037	—	pCi/L	Y	—	NQ	11-1728	CAPU-11-5287	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3.04	0.26	0.087	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11235	GELC
R-3i	215.2	07/22/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	3	0.26	0.083	—	pCi/L	Y	—	NQ	09-2716	CAPU-09-11231	GELC
R-3i	215.2	06/04/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	3.36	—	—	1	µg/L	Y	J	J	2014-3500	CAPU-14-79438	GELC
R-3i	215.2	06/05/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.69	—	—	1	µg/L	Y	J	J	2013-926	CAPU-13-34786	GELC
R-3i	215.2	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.35	—	—	1	µg/L	Y	J	J	12-1225	CAPU-12-12574	GELC
R-3i	215.2	03/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.86	—	—	1	µg/L	Y	J	J	11-1728	CAPU-11-5288	GELC
R-3i	215.2	07/22/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.31	—	—	1	µg/L	Y	J	J	09-2716	CAPU-09-11233	GELC
R-3i	215.2	07/22/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.11	—	—	1	µg/L	Y	J	J	09-2716	CAPU-09-11234	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.24	—	—	0.01	SU	Y	H	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.22	—	—	0.01	SU	Y	H	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.13	—	—	0.01	SU	Y	H	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.11	—	—	0.01	SU	Y	H	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.04	—	—	0.01	SU	Y	H	J-	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	J-	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.99	—	—	0.01	SU	Y	H	J-	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.1	—	—	0.725	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.6	—	—	0.725	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.2	—	—	0.725	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.8	—	—	0.725	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	66.9	—	—	0.73	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.5	—	—	0.73	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	65.1	—	—	0.73	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00275	0.00476	0.0476	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00616	0.00754	0.0533	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00629	0.00629	0.0478	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00601	0.00601	0.0361	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-9.51E-10	0.0049	0.028	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0161	0.018	0.046	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0245	0.014	0.041	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0353	—	—	0.017	mg/L	Y	J	J	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.017	mg/L	Y	U	U	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.0274	—	—	0.017	mg/L	Y	J	U	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.048	—	—	0.016	mg/L	Y	J	J-	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	38.5	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Barium	Ba	Y	36.5	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.9	—	—	1	µg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	36.7	—	—	1	µg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	34.3	—	—	1	µg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	33.2	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	35.6	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	RE	FD	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	N	0.0263	—	—	0.00842	µg/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	N	0.0266	—	—	0.00851	µg/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	SVOC	SW-846:8310	Benzo(k)fluoranthene	207-08-9	Y	0.0102	—	—	0.0086	µg/L	Y	J	J	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1	—	—	0.3	µg/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	01/22/08	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.11	—	—	0.22	µg/L	Y	U	U	08-562	CAPU-08-9891	GELC
R-4	792.9	01/22/08	WG	UF	INIT	FD	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.06	—	—	0.21	µg/L	Y	U	U	08-562	CAPU-08-9894	GELC
R-4	792.9	07/18/07	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.08	—	—	0.215	µg/L	Y	U	U	190028	GU070700G04R01	GELC
R-4	792.9	04/17/07	WG	UF	INIT	REG	SVOC	SW-846:8270C	Benzo(k)fluoranthene	207-08-9	N	1.02	—	—	0.204	µg/L	Y	U	U	184483	GU070400G04R01	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	27.3	—	—	15	µg/L	Y	J	J	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Boron	B	Y	26.6	—	—	15	µg/L	Y	J	J	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	25.3	—	—	15	µg/L	Y	J	J	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.9	—	—	15	µg/L	Y	J	J	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.4	—	—	15	µg/L	Y	J	J	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	27.4	—	—	15	µg/L	Y	J	J	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	27.5	—	—	15	µg/L	Y	J	J	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.9	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Calcium	Ca	Y	18.4	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	19	—	—	0.05	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	18.8	—	—	0.05	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.7	—	—	0.05	mg/L	Y	N	J-	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17	—	—	0.05	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.8	—	—	0.05	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.845	1.57	6.12	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1	1.53	5.75	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.225	1.28	4.78	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.42	1.58	6.02	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.43	1.3	4.8	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0243	1.4	4.5	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.747	1.5	5.1	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.89	—	—	0.067	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.91	—	—	0.067	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.33	—	—	0.067	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	6.35	—	—	0.067	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.74	—	—	0.066	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.63	—	—	0.066	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	5.66	—	—	0.066	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.6	—	—	2	µg/L	Y	J	J	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.7	—	—	2	µg/L	Y	J	J	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.16	—	—	2	µg/L	Y	J	J	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.49	—	—	2	µg/L	Y	J	J	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.19	—	—	2	µg/L	Y	J	J	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.53	—	—	2.5	µg/L	Y	J	J	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.96	—	—	2.5	µg/L	Y	J	J	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.71	1.52	7.29	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.81	1.29	5.83	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.601	1.3	4.74	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.28	1.68	5.92	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.27	1.4	5.2	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.14	1.5	4.1	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.578	1.6	5.3	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.832	—	—	0.033	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.909	—	—	0.033	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.706	—	—	0.033	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.711	—	—	0.033	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.623	—	—	0.033	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.769	—	—	0.033	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.751	—	—	0.033	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.9	0.685	2.17	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.503	0.682	2.31	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.56	0.903	2.82	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.84	0.665	2.33	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.132	0.6	2.8	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.33	0.44	1.6	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.46	0.6	1.8	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.82	0.48	1.48	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.47	0.517	1.63	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.2	0.599	1.92	—	pCi/L	Y	—	NQ	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.05	0.832	2.55	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.36	0.72	2.3	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.969	0.56	1.8	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.47	0.62	1.8	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.2	—	—	0.453	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	60.5	—	—	0.453	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.4	—	—	0.453	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	62.4	—	—	0.453	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.3	—	—	0.45	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	58.8	—	—	0.35	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	56.3	—	—	0.35	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.67	—	—	0.11	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	3.57	—	—	0.11	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.62	—	—	0.11	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.74	—	—	0.11	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.43	—	—	0.11	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.39	—	—	0.085	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.5	—	—	0.085	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.07	—	—	0.165	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2.05	—	—	0.165	µg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.83	—	—	0.165	µg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	2	—	—	0.165	µg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.97	—	—	0.17	µg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.98	—	—	0.1	µg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.9	—	—	0.1	µg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.34	3.09	11.4	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.67	2.86	10.5	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	3.54	2.79	10.5	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.83	3.19	11.7	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.2	2.5	8.3	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.238	10	33	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	18.2	12	39	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.857	—	—	0.5	µg/L	Y	J	J	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.881	—	—	0.5	µg/L	Y	J	J	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.02	—	—	0.5	µg/L	Y	J	J	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.53	—	—	0.5	µg/L	Y	J	J	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.46	—	—	0.5	µg/L	Y	J	J	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.6	—	—	0.5	µg/L	Y	J	J	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.49	—	—	0.5	µg/L	Y	J	J	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.21	—	—	0.017	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.085	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.58	—	—	0.085	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.67	—	—	0.17	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.64	—	—	0.05	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.08	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.18	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.22	—	—	0.25	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	3.16	—	—	0.25	µg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.81	—	—	0.5	µg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.79	—	—	0.5	µg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.5	—	—	0.5	µg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.57	—	—	0.5	µg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	4.45	—	—	0.5	µg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0096	0.00576	0.0212	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00425	0.00521	0.0235	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00383	0.0253	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0075	0.00419	0.0342	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00774	0.0047	0.024	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00223	0.0092	0.036	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-5.43E-10	0.0046	0.036	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00768	0.0112	0.035	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0213	0.00737	0.0387	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00811	0.00605	0.0533	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0113	0.00459	0.0265	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00387	0.0047	0.036	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0114	0.0056	0.045	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00223	0.0059	0.044	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.7	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Potassium	K	Y	2.62	—	—	0.05	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.6	—	—	0.05	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.79	—	—	0.05	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.55	—	—	0.05	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.46	—	—	0.05	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.58	—	—	0.05	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	14.8	18.3	78.6	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-1.58	18	73	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.62	16.1	68.3	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.59	18	69.6	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.9	17	61	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	9.87	18	64	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	18.7	16	48	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	UF	RE	FD	SVOC	SW-846:8310	Pyrene	129-00-0	N	0.0526	—	—	0.0168	µg/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	SVOC	SW-846:8310	Pyrene	129-00-0	N	0.0532	—	—	0.017	µg/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	SVOC	SW-846:8310	Pyrene	129-00-0	Y	0.0187	—	—	0.0172	µg/L	Y	J	J	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	SVOC	SW-846:8270C	Pyrene	129-00-0	N	1	—	—	0.3	µg/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	01/22/08	WG	UF	INIT	REG	SVOC	SW-846:8270C	Pyrene	129-00-0	N	1.11	—	—	0.33	µg/L	Y	U	U	08-562	CAPU-08-9891	GELC
R-4	792.9	01/22/08	WG	UF	INIT	FD	SVOC	SW-846:8270C	Pyrene	129-00-0	N	1.06	—	—	0.32	µg/L	Y	U	U	08-562	CAPU-08-9894	GELC
R-4	792.9	07/18/07	WG	UF	INIT	REG	SVOC	SW-846:8270C	Pyrene	129-00-0	N	1.08	—	—	0.323	µg/L	Y	U	U	190028	GU070700G04R01	GELC
R-4	792.9	04/17/07	WG	UF	INIT	REG	SVOC	SW-846:8270C	Pyrene	129-00-0	N	1.02	—	—	0.306	µg/L	Y	U	U	184483	GU070400G04R01	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	71.8	—	—	0.053	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.9	—	—	0.053	mg/L	Y	—	J-	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78	—	—	0.053	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.9	—	—	0.053	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.2	—	—	0.1	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.7	—	—	0.1	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.582	1.48	6.11	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.655	1.71	6.19	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.438	1.34	4.93	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.931	1.6	6.3	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.428	1.3	4.2	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.662	1.5	5.1	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.58	1.2	4.4	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	180	—	—	1	uS/cm	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	186	—	—	1	uS/cm	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	190	—	—	1	uS/cm	Y	—	NQ	2013-940	CAPU-13-34787	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	184	—	—	1	uS/cm	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	181	—	—	1	uS/cm	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	166	—	—	1	uS/cm	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	166	—	—	1	uS/cm	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	89.2	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Strontium	Sr	Y	86.9	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	86.2	—	—	1	µg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	87	—	—	1	µg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	79.9	—	—	1	µg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	75	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	77.8	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.334	0.155	0.493	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.187	0.117	0.495	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.276	0.146	0.478	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0346	0.124	0.421	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.426	0.16	0.51	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.285	0.12	0.43	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.28	0.097	0.3	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.79	—	—	0.133	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.76	—	—	0.133	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.12	—	—	0.133	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	5.04	—	—	0.133	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.74	—	—	0.1	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.62	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	4.6	—	—	0.1	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	140	—	—	3.4	mg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	3.4	mg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	3.4	mg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	159	—	—	2.4	mg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	164	—	—	2.4	mg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	172	—	—	2.4	mg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.811	—	—	0.067	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.783	—	—	0.067	µg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.835	—	—	0.067	µg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.696	—	—	0.067	µg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.668	—	—	0.067	µg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.668	—	—	0.05	µg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.596	—	—	0.05	µg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.738	0.0478	0.0764	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.566	0.0419	0.0762	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.618	0.0422	0.0617	—	pCi/L	Y	—	NQ	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.511	0.0395	0.0639	—	pCi/L	Y	—	NQ	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.486	0.052	0.065	—	pCi/L	Y	—	NQ	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.375	0.052	0.16	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.466	0.063	0.19	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.00966	0.064	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0182	0.0109	0.0639	—	pCi/L	Y	U	U	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0139	0.0085	0.048	—	pCi/L	Y	U	U	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00795	0.0369	—	pCi/L	Y	U	U	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0375	0.012	0.042	—	pCi/L	Y	U	U	11-1659	CAPU-11-5298	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00588	0.0094	0.08	—	pCi/L	Y	U	U	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00687	0.0069	0.093	—	pCi/L	Y	U	U	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.266	0.0301	0.0429	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79431	GELC
R-4	792.9	06/03/14	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.303	0.0308	0.0428	—	pCi/L	Y	—	NQ	2014-3494	CAPU-14-79415	GELC
R-4	792.9	06/10/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.219	0.0251	0.0394	—	pCi/L	Y	—	NQ	2013-940	CAPU-13-34779	GELC
R-4	792.9	04/13/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.205	0.0238	0.041	—	pCi/L	Y	—	NQ	12-1224	CAPU-12-12567	GELC
R-4	792.9	03/16/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.028	0.044	—	pCi/L	Y	—	NQ	11-1659	CAPU-11-5298	GELC
R-4	792.9	07/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.13	0.027	0.08	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11263	GELC
R-4	792.9	07/16/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.336	0.051	0.093	—	pCi/L	Y	—	NQ	09-2672	CAPU-09-11266	GELC
R-4	792.9	06/03/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.31	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79439	GELC
R-4	792.9	06/03/14	WG	F	INIT	FD	INORGANIC	SW-846:6010C	Vanadium	V	Y	7.48	—	—	1	µg/L	Y	—	NQ	2014-3494	CAPU-14-79416	GELC
R-4	792.9	06/10/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.78	—	—	1	µg/L	Y	—	NQ	2013-940	CAPU-13-34787	GELC
R-4	792.9	04/13/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.44	—	—	1	µg/L	Y	—	NQ	12-1224	CAPU-12-12575	GELC
R-4	792.9	03/16/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.79	—	—	1	µg/L	Y	—	NQ	11-1659	CAPU-11-5300	GELC
R-4	792.9	07/16/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.41	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11267	GELC
R-4	792.9	07/16/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.08	—	—	1	µg/L	Y	—	NQ	09-2673	CAPU-09-11264	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.48	—	—	0.01	SU	Y	H	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.22	—	—	0.01	SU	Y	H	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.16	—	—	0.01	SU	Y	H	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.91	—	—	0.01	SU	Y	H	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.91	—	—	0.01	SU	Y	H	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.11	—	—	0.01	SU	Y	H	J-	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	6.97	—	—	0.01	SU	Y	H	J-	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alkalinity of a solution	pH	Y	7.26	—	—	0.01	SU	Y	H	J-	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.1	—	—	0.725	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.7	—	—	0.725	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.8	—	—	0.725	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.8	—	—	0.725	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.8	—	—	0.725	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.6	—	—	0.73	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	67.6	—	—	0.73	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	72.5	—	—	0.73	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	3.28E-10	0.00393	0.034	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00292	0.00772	0.0443	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0214	0.0692	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	9.22E-10	0.00452	0.0332	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	1.03E-09	0.00506	0.0372	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0093	0.045	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00848	0.0074	0.028	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00269	0.006	0.028	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Barium	Ba	Y	65.5	—	—	1	µg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.4	—	—	1	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	65	—	—	1	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.2	—	—	1	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	61	—	—	1	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	65.7	—	—	1	µg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.7	—	—	1	µg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.7	—	—	1	µg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Boron	B	Y	156	—	—	15	µg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	157	—	—	15	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	164	—	—	15	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	174	—	—	15	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	168	—	—	15	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	176	—	—	15	µg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	178	—	—	15	µg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	173	—	—	15	µg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Calcium	Ca	Y	37.4	—	—	0.05	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.2	—	—	0.05	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	38.8	—	—	0.05	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.1	—	—	0.05	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	36.3	—	—	0.05	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	42.3	—	—	0.05	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	43.3	—	—	0.05	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	39.4	—	—	0.05	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.466	1.77	6.48	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	RE	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.55	1.55	5.86	—	pCi/L	Y	U	U	2013-935-1	CAPU-13-34770	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.08	1.4	4.75	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	Y	11.7	2.77	4.32	—	pCi/L	N	—	R	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.296	0.688	2.38	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.142	1.01	3.55	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.16	1.8	5.8	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.29	1.5	4.9	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.97	1.7	4.7	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	48.1	—	—	0.67	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	40.2	—	—	0.67	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	41.1	—	—	0.67	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	50.8	—	—	0.335	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	48.7	—	—	0.335	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.7	—	—	0.33	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	44.7	—	—	0.33	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	43.3	—	—	0.66	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.306	1.99	7.56	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.2	1.21	5.63	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.55	1.37	4.89	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.04	0.762	2.99	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.069	0.955	3.45	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.66	1.7	4.6	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.08	1.5	5.9	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-2.72	1.8	5	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.288	—	—	0.033	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.16	—	—	0.033	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.17	—	—	0.033	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.198	—	—	0.033	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.206	—	—	0.033	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.21	—	—	0.033	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.21	—	—	0.033	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.184	—	—	0.033	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.45	0.791	3	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.604	0.757	2.99	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.113	0.442	2.07	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.47	0.993	2.6	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.34	0.658	2.84	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0133	0.22	0.83	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.505	0.31	1	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0487	0.47	2.4	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.32	0.544	1.73	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.48	0.603	1.92	—	pCi/L	Y	—	NQ	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	2.78	0.516	1.62	—	pCi/L	Y	—	NQ	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.78	0.823	2.29	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.02	0.608	1.99	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.13	0.87	2.9	—	pCi/L	Y	U	UJ	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.88	1.1	3.4	—	pCi/L	Y	U	UJ	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.83	0.94	3	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	121	—	—	0.453	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	121	—	—	0.453	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	126	—	—	0.453	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	122	—	—	0.453	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	119	—	—	0.453	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	137	—	—	0.45	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	135	—	—	0.45	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	129	—	—	0.45	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Magnesium	Mg	Y	6.83	—	—	0.11	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.83	—	—	0.11	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.1	—	—	0.11	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.04	—	—	0.11	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	6.91	—	—	0.11	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.14	—	—	0.11	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.04	—	—	0.11	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	7.49	—	—	0.11	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.427	—	—	0.165	µg/L	Y	J	J	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.09	—	—	0.165	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.908	—	—	0.165	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.165	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.74	—	—	0.17	µg/L	Y	—	J	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.77	—	—	0.17	µg/L	Y	—	J	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.55	—	—	0.17	µg/L	Y	—	J	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5	2.93	11.5	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.49	2.75	9.91	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.355	3.17	9.55	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.6	1.44	4.97	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.54	1.91	6.19	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.165	3.4	11	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.49	3.2	11	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	03/14/11	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.36	3.4	12	—	pCi/L	Y	U	U	11-1631	CAPU-11-5311	GELC
TW-2Ar	102	03/14/11	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.57	2.7	9.3	—	pCi/L	Y	U	U	11-1631	CAPU-11-5308	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	5.08	—	—	0.5	µg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	20.1	—	—	0.5	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	19.4	—	—	0.5	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	10.6	—	—	0.5	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	9.99	—	—	0.5	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.6	—	—	0.5	µg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.63	—	—	0.5	µg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.01	—	—	0.5	µg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.18	—	—	0.17	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.78	—	—	0.085	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.84	—	—	0.085	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.91	—	—	0.17	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.78	—	—	0.17	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.14	—	—	0.1	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	3.15	—	—	0.1	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.8	—	—	0.1	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.469	—	—	0.05	µg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.475	—	—	0.05	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.495	—	—	0.05	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.524	—	—	0.05	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.518	—	—	0.05	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.487	—	—	0.05	µg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.509	—	—	0.05	µg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.482	—	—	0.05	µg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00279	0.0122	0.0308	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00474	0.00474	0.0222	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0105	0.00632	0.0197	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.000835	0.00392	0.0455	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00208	0.00806	0.038	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00254	0.0044	0.026	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00505	0.0062	0.026	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00531	0.004	0.022	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0139	0.0128	0.0508	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0118	0.00854	0.0467	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0211	0.00894	0.0415	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00928	0.00464	0.035	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0167	0.00721	0.0294	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-1.20E-09	0.008	0.048	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0152	0.0063	0.048	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0142	0.0071	0.032	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Potassium	K	Y	2.14	—	—	0.05	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.17	—	—	0.05	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.25	—	—	0.05	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.34	—	—	0.05	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.3	—	—	0.05	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.21	—	—	0.05	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	2.31	—	—	0.05	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.43	—	—	0.05	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.4	20.7	83.8	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-31.3	14.8	54.7	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-6.66	17.9	64.6	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.16	13.1	24.6	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	13	11.3	42.6	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.48	21	75	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-35.1	19	59	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	45.6	21	82	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Silicon Dioxide	SiO2	Y	69.9	—	—	0.053	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.4	—	—	0.053	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.6	—	—	0.053	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.5	—	—	0.053	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.8	—	—	0.053	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.2	—	—	0.053	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	69.2	—	—	0.053	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Sodium	Na	Y	21.9	—	—	0.1	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	22.5	—	—	0.1	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.2	—	—	0.1	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24	—	—	0.1	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.6	—	—	0.1	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.9	—	—	0.1	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	23.7	—	—	0.1	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	24.3	—	—	0.1	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.75	2.1	6.77	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.3	1.41	5.41	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.7	1.09	4.79	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.691	0.684	2.56	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.365	1.11	3.9	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.559	1.4	5	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.29	1.4	5.1	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.61	2	6.3	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	381	—	—	1	uS/cm	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	385	—	—	1	uS/cm	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	384	—	—	1	uS/cm	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	381	—	—	1	uS/cm	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	382	—	—	1	uS/cm	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	375	—	—	1	uS/cm	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	373	—	—	1	uS/cm	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	371	—	—	1	uS/cm	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Strontium	Sr	Y	203	—	—	1	µg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	196	—	—	1	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	204	—	—	1	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	208	—	—	1	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	205	—	—	1	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	230	—	—	1	µg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	224	—	—	1	µg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	212	—	—	1	µg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.149	0.141	0.485	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0632	0.14	0.495	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0317	0.136	0.482	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0832	0.115	0.396	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.377	0.134	0.427	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.00473	0.14	0.49	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.118	0.14	0.5	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0494	0.13	0.47	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	25.7	—	—	1.33	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	22.1	—	—	1.33	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	22.7	—	—	1.33	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	24.6	—	—	0.133	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	25.9	—	—	0.133	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	24.2	—	—	0.1	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	24	—	—	0.1	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	297	—	—	3.4	mg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	296	—	—	3.4	mg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	281	—	—	3.4	mg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	249	—	—	3.4	mg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	253	—	—	3.4	mg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	274	—	—	3.4	mg/L	Y	—	NQ	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	267	—	—	3.4	mg/L	Y	—	NQ	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	289	—	—	2.4	mg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.06	—	—	0.33	mg/L	Y	—	NQ	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.53	—	—	0.33	mg/L	Y	—	NQ	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.47	—	—	0.33	mg/L	Y	—	NQ	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.56	—	—	0.33	mg/L	Y	—	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.6	—	—	0.33	mg/L	Y	—	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.51	—	—	0.33	mg/L	Y	—	NQ	11-3366	CAPU-11-26377	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.21	—	—	0.33	mg/L	Y	—	NQ	11-3366	CAPU-11-26374	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.19	—	—	0.33	mg/L	Y	—	U	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	276	61.9	173	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	188	54.4	174	—	pCi/L	Y	—	NQ	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	203	55.5	177	—	pCi/L	Y	—	NQ	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	352	60.6	152	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	Y	334	59.7	151	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	EPA:906.0	Tritium	H-3	N	486.105	67.7883	192.752	—	pCi/L	Y	—	U	11-3368	CAPU-11-26377	ARSL
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	433.168	66.2092	192.524	—	pCi/L	Y	—	U	11-3368	CAPU-11-26374	ARSL
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	Generic:Low_Level_Tritium	Tritium	H-3	Y	247.779	37.2876	2.8014	—	pCi/L	Y	—	NQ	11-2732	CAPU-11-13928	ARSL
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.336	—	—	0.067	µg/L	Y	—	NQ	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.261	—	—	0.067	µg/L	Y	—	NQ	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.27	—	—	0.067	µg/L	Y	—	NQ	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.222	—	—	0.067	µg/L	Y	—	NQ	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.227	—	—	0.067	µg/L	Y	—	NQ	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.324	—	—	0.067	µg/L	Y	—	U	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	N	0.335	—	—	0.067	µg/L	Y	—	U	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.261	—	—	0.067	µg/L	Y	—	NQ	11-2707	CAPU-11-13929	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.198	0.0249	0.0712	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.181	0.0214	0.0492	—	pCi/L	Y	—	J	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.202	0.0231	0.0521	—	pCi/L	Y	—	NQ	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.196	0.0293	0.0856	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.174	0.0287	0.0809	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.204	0.027	0.042	—	pCi/L	Y	—	NQ	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.211	0.026	0.038	—	pCi/L	Y	—	NQ	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.198	0.027	0.072	—	pCi/L	Y	—	NQ	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.017	0.0123	0.0597	—	pCi/L	Y	U	U	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0138	0.00831	0.0383	—	pCi/L	Y	U	U	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0205	0.0088	0.0406	—	pCi/L	Y	U	U	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00435	0.00615	0.0494	—	pCi/L	Y	U	U	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00411	0.0109	0.0467	—	pCi/L	Y	U	U	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0173	0.01	0.031	—	pCi/L	Y	U	U	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0154	0.0064	0.027	—	pCi/L	Y	U	U	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00645	0.0079	0.041	—	pCi/L	Y	U	U	11-2707	CAPU-11-13928	GELC

Los Alamos and Pueblo Watershed General Surveillance Monitoring Group Analytical Results and Results from the Four Previous Monitoring Events if Available

Location	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Analyte Code	Detect Flag	Result	1-sigma TPU	MDA	MDL	Unit	Best Value Flag	Lab Qual	2nd Qual	Request	Sample	Lab
TW-2Ar	102	06/02/14	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.113	0.0193	0.04	—	pCi/L	Y	—	NQ	2014-3481	CAPU-14-79432	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0829	0.0147	0.0314	—	pCi/L	Y	—	J	2013-935	CAPU-13-34780	GELC
TW-2Ar	102	06/06/13	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.083	0.0148	0.0333	—	pCi/L	Y	—	NQ	2013-935	CAPU-13-34770	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0809	0.0176	0.055	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12568	GELC
TW-2Ar	102	04/17/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.106	0.0194	0.052	—	pCi/L	Y	—	NQ	12-1232	CAPU-12-12579	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0958	0.018	0.037	—	pCi/L	Y	—	NQ	11-3354	CAPU-11-26374	GELC
TW-2Ar	102	08/29/11	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0726	0.014	0.032	—	pCi/L	Y	—	NQ	11-3354	CAPU-11-26377	GELC
TW-2Ar	102	06/20/11	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.115	0.02	0.032	—	pCi/L	Y	—	NQ	11-2707	CAPU-11-13928	GELC
TW-2Ar	102	06/02/14	WG	F	INIT	REG	INORGANIC	SW-846:6010C	Vanadium	V	Y	1.29	—	—	1	µg/L	Y	J	J	2014-3481	CAPU-14-79440	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.41	—	—	1	µg/L	Y	J	J	2013-935	CAPU-13-34788	GELC
TW-2Ar	102	06/06/13	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.07	—	—	1	µg/L	Y	J	J	2013-935	CAPU-13-34771	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.43	—	—	1	µg/L	Y	J	J	12-1232	CAPU-12-12576	GELC
TW-2Ar	102	04/17/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.61	—	—	1	µg/L	Y	J	J	12-1232	CAPU-12-12577	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.93	—	—	1	µg/L	Y	J	J	11-3367	CAPU-11-26378	GELC
TW-2Ar	102	08/29/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.16	—	—	1	µg/L	Y	J	J	11-3367	CAPU-11-26375	GELC
TW-2Ar	102	06/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.16	—	—	1	µg/L	Y	J	J	11-2707	CAPU-11-13929	GELC

Appendix D

Groundwater Results Greater Than Half of Screening Levels

Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Uncertainty	Minimum Detectable Activity	Unit	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Alluvial	LAO-3a	4.7	06/06/14	Rad[a]	Gross beta	GROSSB	UF[b]	INIT[c]	REG[d]	Y[e]	40.5	—[f]	1.88	2.86	pCi/L	1	—	NQ[g]	NQ	Y	EPA:900	GELC[h]	50	EPA DW ACTION LVL[i]	0.81
Alluvial	LAO-3a	4.7	06/06/14	Rad	Strontium-90	Sr-90	UF	INIT	REG	Y	12.4	—	0.641	0.715	pCi/L	1	—	J[j]	R10[k]	Y	EPA:905.0	GELC	8	EPA MCL[l]	1.55
Intermediate	R-3i	215.2	06/04/14	General chemistry	Perchlorate	ClO4	F[m]	INIT	REG	Y	2.04	0.2	—	—	µg/L	4	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	0.51
Intermediate	R-3i	215.2	06/04/14	Rad	Gross alpha	GROSSA	UF	INIT	REG	Y	8.57	—	0.824	1.74	pCi/L	1	—	NQ	NQ	Y	EPA:900	GELC	15	EPA MCL	0.57
Regional	R-4	792.9	06/03/14	General chemistry	Fluoride	F(-1)	F	INIT	REG	Y	0.832	0.033	—	—	mg/L	1	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NMWQCC GW STD[n]	0.52
Regional	R-4	792.9	06/03/14	General chemistry	Fluoride	F(-1)	F	INIT	FD[o]	Y	0.909	0.033	—	—	mg/L	1	—	NQ	NQ	Y	EPA:300.0	GELC	1.6	NMWQCC GW STD	0.57
Regional	R-4	792.9	06/03/14	General chemistry	Perchlorate	ClO4	F	INIT	REG	Y	3.22	0.25	—	—	µg/L	5	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	0.81
Regional	R-4	792.9	06/03/14	General chemistry	Perchlorate	ClO4	F	INIT	FD	Y	3.16	0.25	—	—	µg/L	5	—	NQ	NQ	Y	SW-846:6850	GELC	4	Consent Order	0.79
Regional	R-3	974.5	06/04/14	SVOC[p]	Dibenz(a,h)anthracene	53-70-3	UF	INIT	REG	Y	0.0216	0.0165	—	—	µg/L	1	J[q]	R[r]	SV19[s]	N[t]	SW-846:8310	GELC	0.034	EPA TAP SCRN LVL[u]	0.64

[a] Rad = Radionuclides.

[b] UF = Unfiltered.

[c] INIT = Initial.

[d] REG = Regular.

[e] Y = Yes.

[f] — = None.

[g] NQ = Not qualified.

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

[i] EPA DW ACTION LVL = U.S. Environmental Protection Agency drinking water action level.

[j] In this column, J = The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.

[k] R10 = Associated duplicate sample has duplicate error ratio or relative error ratio greater than the analytical laboratory's acceptance limits.

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

[m] F = Filtered.

[n] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.

[o] FD = Field duplicate.

[p] SVOC = Semivolatile organic compound.

[q] In this column, J = The associated numerical value is an estimated quantity.

[r] R = The reported sample result is classified as rejected because of serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.

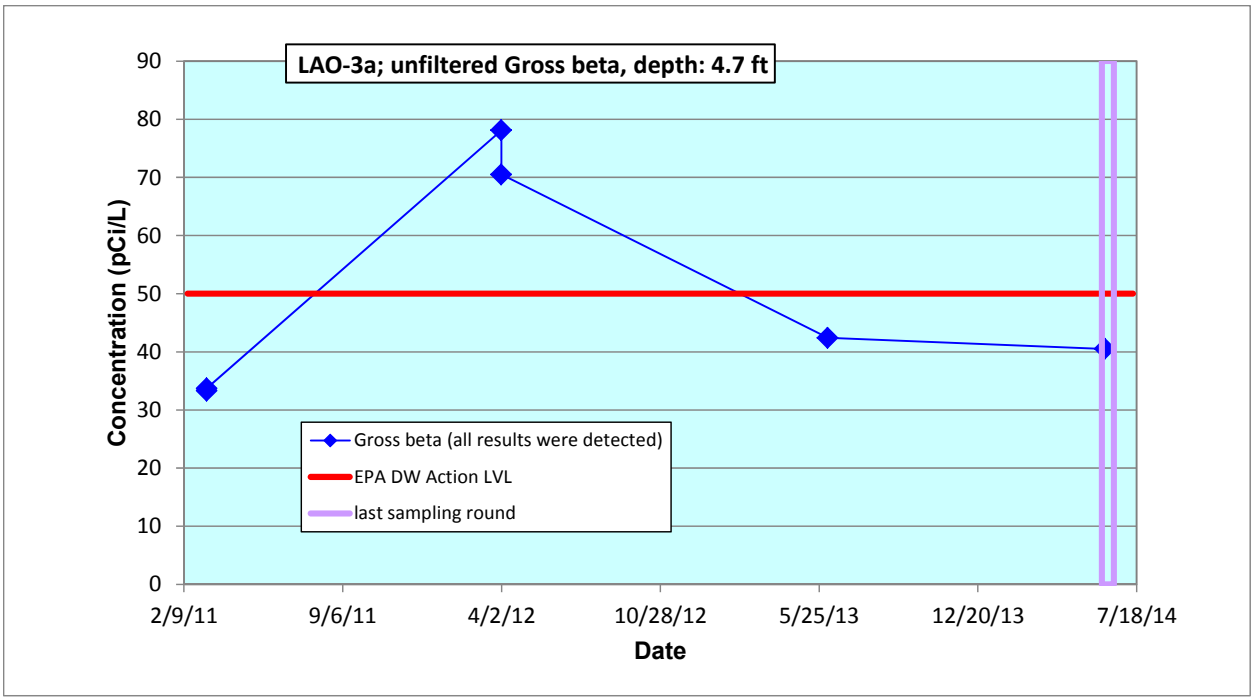
[s] SV19 = The project chemist identified quality deficiencies in the reported data that require further qualification. This code can ONLY be used under advisement by the project chemist.

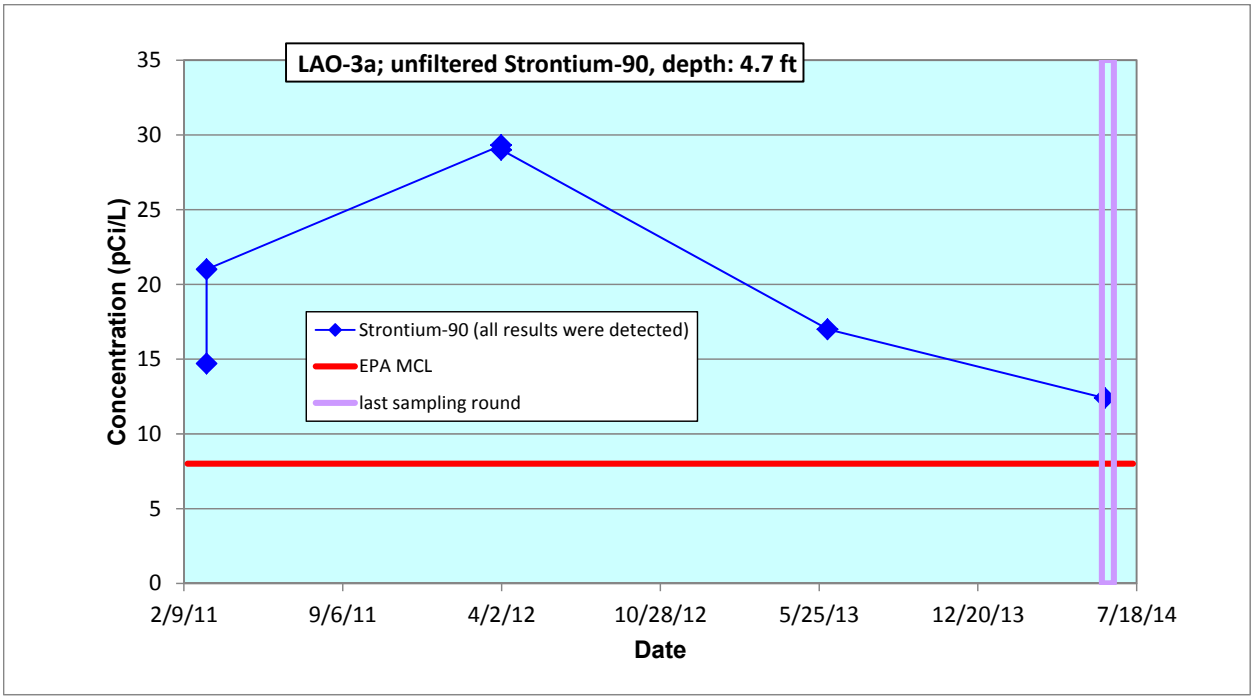
[t] N = No.

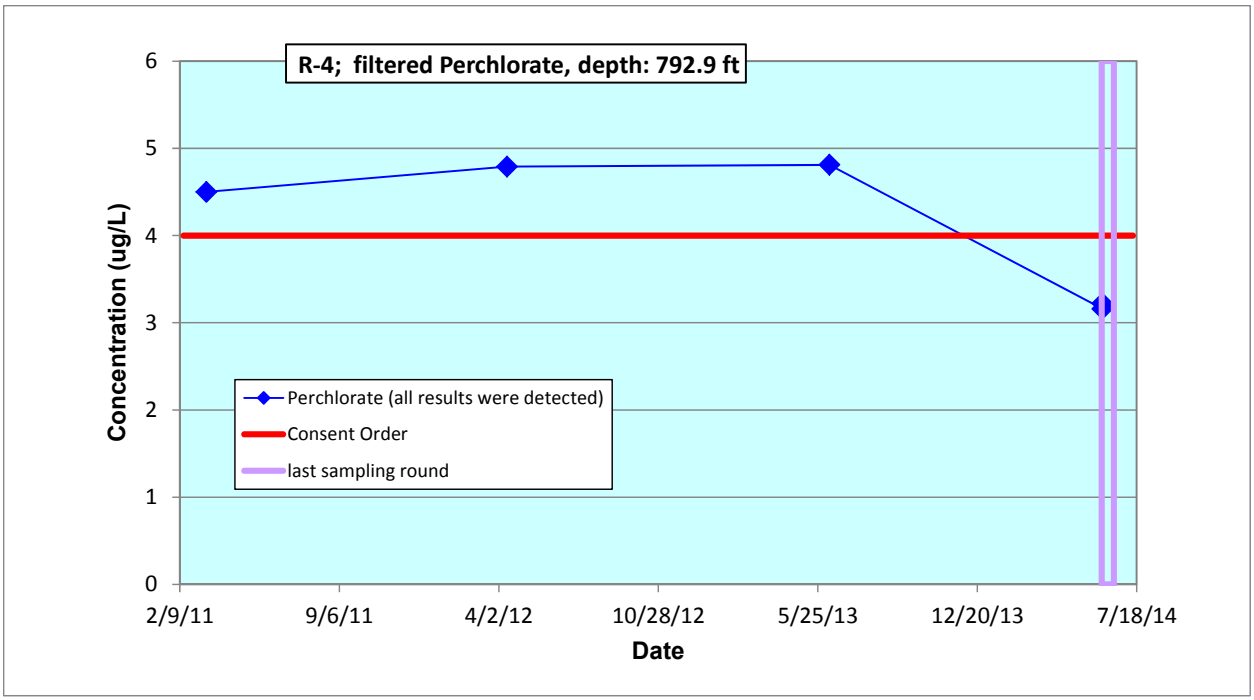
[u] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.

Appendix E

Analytical Chemistry Graphs of Screening-Level Exceedances


LAO-3a; unfiltered Gross beta, depth: 4.7 ft
Concentration (pCi/L)
90
80
70
60
50
40
30
20
10
0
2/9/11
9/6/11
4/2/12
10/28/12
5/25/13
12/20/13
7/18/14
Date
Gross beta (all results were detected)
EPA DW Action LVL
last sampling round


LAO-3a; unfiltered Strontium-90, depth: 4.7 ft
Concentration (pCi/L)
35
30
25
20
15
10
5
0
2/9/11
9/6/11
4/2/12
10/28/12
5/25/13
12/20/13
7/18/14
Date
Strontium-90 (all results were detected)
EPA MCL
last sampling round


R-4; filtered Perchlorate, depth: 792.9 ft
Concentration (ug/L)
0
1
2
3
4
5
6
2/9/11
9/6/11
4/2/12
10/28/12
5/25/13
12/20/13
7/18/14
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

CD Table of Contents

Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
2014-3481	Inorganic	GELC[a]	CAPU-14-79426	06/02/14	POI-4	159	174
2014-3481	Inorganic	GELC	CAPU-14-79432	06/02/14	TW-2Ar	102	112
2014-3481	Inorganic	GELC	CAPU-14-79434	06/02/14	POI-4	159	174
2014-3481	Inorganic	GELC	CAPU-14-79440	06/02/14	TW-2Ar	102	112
2014-3481	Organic	GELC	CAPU-14-79426	06/02/14	POI-4	159	174
2014-3481	Organic	GELC	CAPU-14-79432	06/02/14	TW-2Ar	102	112
2014-3481	Rad[b]	GELC	CAPU-14-79426	06/02/14	POI-4	159	174
2014-3481	Rad	GELC	CAPU-14-79432	06/02/14	TW-2Ar	102	112
2014-3494	Inorganic	GELC	CAPU-14-79436	06/03/14	R-24	825	848
2014-3494	Inorganic	GELC	CAPU-14-79416	06/03/14	R-4	792.9	816
2014-3494	Inorganic	GELC	CAPU-14-79439	06/03/14	R-4	792.9	816
2014-3494	Inorganic	GELC	CAPU-14-79431	06/03/14	R-4	792.9	816
2014-3494	Inorganic	GELC	CAPU-14-79428	06/03/14	R-24	825	848
2014-3494	Inorganic	GELC	CAPU-14-79415	06/03/14	R-4	792.9	816
2014-3494	Organic	GELC	CAPU-14-79415	06/03/14	R-4	792.9	816
2014-3494	Organic	GELC	CAPU-14-79431	06/03/14	R-4	792.9	816
2014-3494	Organic	GELC	CAPU-14-79428	06/03/14	R-24	825	848
2014-3494	Rad	GELC	CAPU-14-79431	06/03/14	R-4	792.9	816
2014-3494	Rad	GELC	CAPU-14-79428	06/03/14	R-24	825	848
2014-3494	Rad	GELC	CAPU-14-79415	06/03/14	R-4	792.9	816
2014-3500	Inorganic	GELC	CAPU-14-79429	06/04/14	R-3	974.5	995
2014-3500	Inorganic	GELC	CAPU-14-79437	06/04/14	R-3	974.5	995
2014-3500	Inorganic	GELC	CAPU-14-79438	06/04/14	R-3i	215.2	220
2014-3500	Inorganic	GELC	CAPU-14-79430	06/04/14	R-3i	215.2	220
2014-3500	Organic	GELC	CAPU-14-79429	06/04/14	R-3	974.5	995
2014-3500	Organic	GELC	CAPU-14-79430	06/04/14	R-3i	215.2	220
2014-3500	Rad	GELC	CAPU-14-79429	06/04/14	R-3	974.5	995
2014-3500	Rad	GELC	CAPU-14-79430	06/04/14	R-3i	215.2	220
2014-3510	Inorganic	GELC	CAPU-14-79435	06/05/14	R-2	906.4	929.6
2014-3510	Inorganic	GELC	CAPU-14-79427	06/05/14	R-2	906.4	929.6
2014-3510	Organic	GELC	CAPU-14-79427	06/05/14	R-2	906.4	929.6
2014-3510	Rad	GELC	CAPU-14-79427	06/05/14	R-2	906.4	929.6
2014-3518	Inorganic	GELC	CALA-14-79456	06/06/14	LAO-3a	4.7	14.7
2014-3518	Inorganic	GELC	CALA-14-79462	06/06/14	LAO-3a	4.7	14.7
2014-3518	Organic	GELC	CALA-14-79456	06/06/14	LAO-3a	4.7	14.7
2014-3518	Rad	GELC	CALA-14-79456	06/06/14	LAO-3a	4.7	14.7

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

[b] Rad = Radiochemistry (not gamma).