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Periodic Monitoring Report for Pajarito Watershed General Surveillance Monitoring Group, April 23–May 10, 2012

Prepared by the Environmental Programs Directorate

EP2012-0245

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Responsible project manager:

Steve Paris		Project Manager	Environmental Programs	11/26/12
Printed Name	Signature	Title	Organization	Date

Responsible LANS representative:

Jeff Mousseau		Associate Director	Environmental Programs	11/26/12
Printed Name	Signature	Title	Organization	Date

Responsible DOE representative:

Peter Maggiore		Assistant Manager	DOE-LASO	11-29-2012
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the fiscal year 2012, third quarter, periodic monitoring event (PME) conducted by Los Alamos National Laboratory in the Pajarito watershed portion of the General Surveillance monitoring group. This PME was conducted pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1, prepared in accordance with the Compliance Order on Consent.

The PME documented in this report occurred from April 23 to May 10, 2012, and included the monitoring of groundwater wells and well screens. Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report. No results from samples collected during previous PMEs that were unreported in their respective PMRs are 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; low-level tritium; general inorganic chemicals, including perchlorate; stable isotopes; and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

No surface-water locations are sampled for this monitoring group.

No results from previous sampling of Pajarito Watershed General Surveillance monitoring group PME monitoring locations are reported in this PMR. Three results from groundwater samples collected during this PME from the Pajarito Watershed General Surveillance monitoring group were above applicable screening levels.

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Acronyms and Abbreviations

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
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
FY	fiscal year
gpm	gallons per minute
HE	high explosives
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MCPA	2-methyl-4-chlorophenoxyacetic acid
MCPP	2-(4-chloro-2-methylphenoxy)propanoic acid
MDA	material disposal area
MDL	method detection limit
N	no (best value flag code)
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
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 (FY) 2012, third quarter, annual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Pajarito watershed portion of the General Surveillance monitoring group pursuant to the 2011 Interim Facility-Wide Groundwater Monitoring Plan (IFGMP), Revision 1 (LANL 2011, 208811), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring event (PME) occurred from April 23 to May 10, 2012, and included sampling of groundwater wells and well screens. No results from samples collected during previous PMEs that were unreported in their respective PMRs are 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 regulatory standards 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 2011 IFGMP, Revision 1 (LANL 2011, 208811) 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 Pajarito watershed portion of the General Surveillance monitoring group.

Pajarito Canyon has a drainage that extends into the Sierra de los Valles, west of the Laboratory. Saturated alluvium occurs in lower Pajarito Canyon near the eastern Laboratory boundary but does not extend beyond the boundary. In the past, the Laboratory released small amounts of wastewater into tributaries of Pajarito Canyon from several high explosives– (HE-) processing sites at Technical Area 09 (TA-09). Some firing sites border portions of tributaries Twomile and Threemile Canyons. A nuclear materials experimental facility occupied the floor of Pajarito Canyon at TA-18. Waste management areas at TA-54, used for disposal of organic chemicals and low-level radioactive waste, occupy the mesa north of the lower part of the canyon. A small contaminated area of shallow intermediate groundwater occurs behind a former Laboratory warehouse location at TA-03. The main groundwater impacts are from organic chemicals and from HE.

Other wells in Pajarito Canyon are assigned to the TA-54 monitoring group. At TA-54, groundwater monitoring is conducted to support both (1) the corrective measures process for solid waste management units and areas of concern (particularly Material Disposal Areas [MDAs] G, H, and L) under the Consent Order and (2) the Resource Conservation and Recovery Act permit. The TA-54 monitoring group was established to address the monitoring requirements for all portions and aspects of TA-54. The TA-54 monitoring group includes both intermediate-perched and regional wells in the near vicinity. Other downgradient wells have general relevance to TA-54 and other upgradient sources but are not considered part of the TA-54 monitoring network and are not included in the monitoring group.

TA-54 is situated in the east-central portion of the Laboratory on Mesita del Buey. TA-54 includes four MDAs designated as G, H, J, and L; a waste characterization, container storage, and transfer facility (TA-54 West); active radioactive waste storage and disposal operations at Area G; hazardous and mixed-waste storage operations at Area L; and administrative and support areas. The transfer facility is located at the western end of TA-54.

Mesita del Buey is a 100-ft- to 140-ft-high finger-shaped mesa that trends southeast. The elevation of Mesita del Buey ranges from 6750 ft to 6670 ft above mean sea level at Area G. The mesa is approximately 500 ft wide and is bounded by Cañada del Buey and Pajarito Canyon.

The TA-54 monitoring group is located predominantly in the Pajarito Canyon watershed, and the occurrence of surface water, alluvial groundwater, and intermediate-perched and regional groundwater is discussed in the Pajarito Canyon Investigation Report, Revision 1 (LANL 2009, 106939).

Pore-gas monitoring data show vapor-phase organic compounds are present in the upper portion of the unsaturated zone beneath MDAs G and L. The primary contaminants that have been transported in the vapor phase at TA-54 are 1,1,1-trichloroethane; trichloroethene; Freon-113; and tritium (LANL 2005, 090513; LANL 2006, 091888; LANL 2007, 096409).

Data from the groundwater monitoring network around TA-54 show sporadic detections of a variety of contaminants, including several vapor-phase organic compounds. The temporal and spatial nature of the occurrences does not, however, clearly indicate the presence of a source related to potential sources at TA-54 (LANL 2009, 106939). Further evaluations of existing groundwater data near TA-54 and detailed descriptions of organic and inorganic contaminants detected in intermediate-perched and regional groundwater at TA-54 are presented in the corrective measures evaluation reports for MDAs G, H, and L (LANL 2011, 205756; LANL 2011, 206319; LANL 2011, 206324).

2.0 SCOPE OF ACTIVITIES

The PME for the Pajarito Watershed General Surveillance monitoring group was conducted pursuant to the 2011 IFGMP, Revision 1 (LANL 2011, 208811).

Table 2.0-1 provides the location name, sample collection date, screened interval, top and bottom screen depths, casing volume, purge volume, and purge rate for each of the monitored locations. These locations are shown in Figure 2.0-1.

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 2011 IFGMP, Revision 1 (LANL 2011, 208811).

3.2 Field Parameter Results

Appendix A contains the field parameter results for this PME and 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 surface-water locations are sampled for this monitoring group.

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 practical quantitation limits (PQLs) are greater than 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 2011 IFGMP, Revision 1 (LANL 2011, 208811). 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-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 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 available at http://eprr.lanl.gov/oppie/service. 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 banks, 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 are 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. 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. 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.
- 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 Guides (DCGs) 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 4.2-2 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. 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 level at more than one sampling location, so no maps showing concentrations are included.

4.2.1 Surface Water (Base Flow)

No surface-water locations are included in this monitoring group.

4.2.2 Groundwater

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

For the current PME, the filtered chloride concentration of 354 mg/L at alluvial well 18-MW-18 was above the 250-mg/L NMWQCC groundwater standard screening level. Earlier chloride concentrations measured at this well since 2006 range from 51.3 mg/L to 320 mg/L. The current PME measurement is the highest.

The unfiltered 1,4-dioxane concentration of 462 µg/L at intermediate well 03-B-13 was above the 6.7-µg/L EPA tap water screening level. Earlier concentrations from sampling events since 2006 range from 10.2 µg/L to 919 µg/L. The unfiltered 1,1,1-trichloroethane concentration of 113 µg/L at 03-B-13 was above the 60-µg/L NMWQCC groundwater standard screening level. Past concentrations range from 39.9 µg/L to 317 µg/L.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the Pajarito Watershed 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 surface-water locations are included in this monitoring group.

5.2.2 Groundwater

No results from previous sampling of PME monitoring locations are reported in this PMR. Three results from groundwater samples collected during this PME were above screening levels (Table 4.2-2).

For results above screening levels, except for the highest filtered chloride measurement at 18-MW-18, the types of contaminants detected and their concentrations are consistent with data reported from previous PMEs in this monitoring group.

5.3 Data Gaps

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

5.4 Remediation System Monitoring

Remediation system monitoring is not applicable to the Pajarito Watershed 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 number. This information is also included in text citations. ER ID numbers 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), September 2005. "Investigation Report for Material Disposal Area G, Consolidated Unit 54-013(b)-99, at Technical Area 54," Los Alamos National Laboratory document LA-UR-05-6398, Los Alamos, New Mexico. (LANL 2005, 090513)

LANL (Los Alamos National Laboratory), March 2006. "Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 1," Los Alamos National Laboratory document LA-UR-06-1564, Los Alamos, New Mexico. (LANL 2006, 091888)

LANL (Los Alamos National Laboratory), May 2007. "Addendum to the Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54," Los Alamos National Laboratory document LA-UR-07-3214, Los Alamos, New Mexico. (LANL 2007, 096409)

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), August 2009. "Pajarito Canyon Investigation Report, Revision 1," Los Alamos National Laboratory document LA-UR-09-4670, Los Alamos, New Mexico. (LANL 2009, 106939)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 2," Los Alamos National Laboratory document LA-UR-11-4798, Los Alamos, New Mexico. (LANL 2011, 205756)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area H, Solid Waste Management Unit 54-004, at Technical Area 54, Revision 1," Los Alamos National Laboratory document LA-UR-11-5079, Los Alamos, New Mexico. (LANL 2011, 206319)

LANL (Los Alamos National Laboratory), September 2011. "Corrective Measures Evaluation Report for Material Disposal Area G, Solid Waste Management Unit 54-013(b)-99, at Technical Area 54, Revision 3," Los Alamos National Laboratory document LA-UR-11-4910, Los Alamos, New Mexico. (LANL 2011, 206324)

LANL (Los Alamos National Laboratory), December 2011. "2011 Interim Facility-Wide Groundwater Monitoring Plan, Revision 1," Los Alamos National Laboratory document LA-UR-11-6958, Los Alamos, New Mexico. (LANL 2011, 208811)

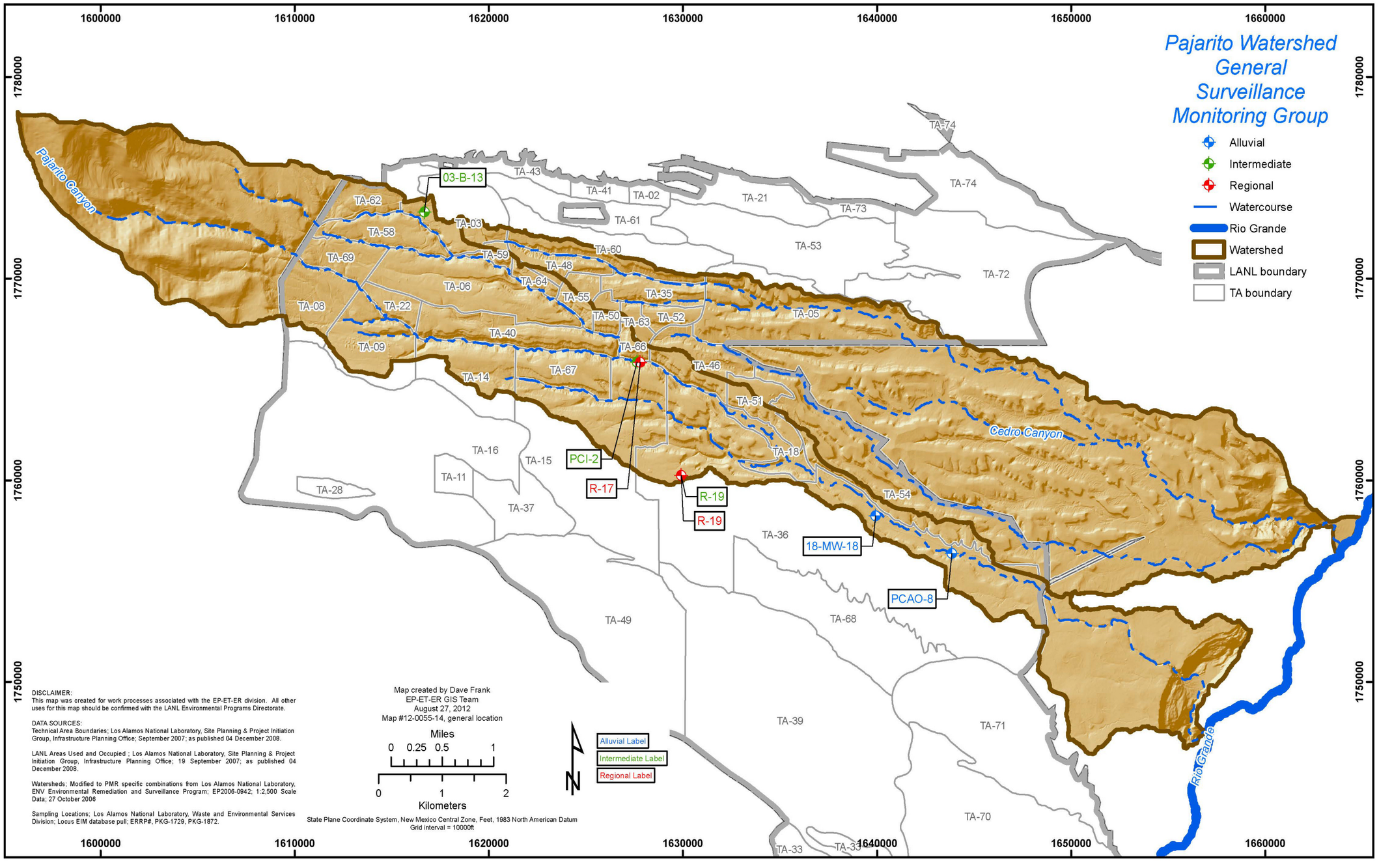


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

Table 2.0-1
Pajarito 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 Rate (gpm[a])
Alluvial							
18-MW-18	04/30/12	10.5	12.5	23	1.71	3.1	0.22
PCAO-8	04/27/12	10	9.7	19.7	5.6	5	0.03
Intermediate							
03-B-13	04/23/12	10	21.5	31.5	1.5	4.8	0.11
PCI-2	04/24/12	10	512	522	19.9	60	0.4
R-19 S2	05/02/12	16.3	893.3	909.6	n/a[b]	n/a	n/a
Regional							
R-17 S1	05/02/12	23	1057	1080	41	130	2.15
R-17 S2	05/02/12	10	1124	1134	42.9	130	2.31
R-19 S3	05/03/12	44	1171.4	1215.4	n/a	n/a	n/a
R-19 S4	05/07/12	7.2	1410.2	1417.4	n/a	n/a	n/a

[a] gpm = Gallons per minute.

[b] n/a = Not applicable.

Table 3.4-1
Pajarito Watershed General Surveillance Monitoring Group PME Observations and Deviations

Location	Deviation	Cause	Comment
PCAO-8	Limited data are included in this report for this location.	The well purged dry during sampling.	This location will be sampled during the next scheduled PME.
Bulldog Spring	No data are included in this report for this location.	Bulldog Spring was removed from the Pajarito Watershed General Surveillance monitoring group.	Bulldog Spring was reassigned to the TA-16 260 monitoring group to be sampled FY2012, fourth quarter.

Table 3.4-2
Analytes with PQLs above Screening Levels

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
Herbicides						
94-74-6	MCPA[c]	12	53	18	µg/L	EPA Regional Tap
93-65-2	MCPP[d]	11	53	37	µg/L	EPA Regional Tap
Metals						
Be	Beryllium	1	5	4	µg/L	EPA MCL
Semivolatile Organic Compounds						
1912-24-9	Atrazine	3	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	3	10	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	2	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	2.9	µg/L	EPA Regional Tap
123-91-1	Dioxane[1,4-]	2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	3	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane) [2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NMWQCC Groundwater Standard
Volatile Organic Compounds						
107-02-8	Acrolein	1.3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
126-99-8	Chloro-1,3-butadiene[2-]	0.3	1	0.16	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.3	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap

Table 3.4-2 (continued)

Analyte or CAS[a] No.	Analyte Name	MDL[b]	PQL	Screening Level	Unit	Screening-Level Type
75-09-2	Methylene chloride	3	10	5	µg/L	EPA MCL
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

Note: This table is applicable to all samples reported in all PMRs.

[a] CAS = Chemical Abstracts Service.

[b] MDL = Method detection limit.

[c] MCPA = 2-Methyl-4-chlorophenoxyacetic acid.

[d] MCPP = 2-(4-Chloro-2-methylphenoxy)propanoic acid.

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 5400.5	DOE BCGs	n/a[a]	X[b]
DOE Order 5400.5	DOE 100-mrem Public Dose DCG	X	n/a
DOE Order 5400.5	DOE 4-mrem Drinking Water DCG	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
Pajarito 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							
18-MW-18	04/30/12	Chloride	F[a]	354	mg/L	250	NMWQCC Groundwater Standard
Intermediate Groundwater							
03-B-13	04/23/12	Dioxane[1,4-]	UF[b]	462	µg/L	6.7	EPA Tap Screening Level
03-B-13	04/23/12	Trichloroethane[1,1,1-]	UF	113	µg/L	60	NMWQCC Groundwater Standard

[a] F = Filtered.

[b] UF = Unfiltered.

Appendix A

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

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
03-B-13	21.5	04/23/12	WG[a]	Dissolved Oxygen	0.38	mg/L	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Dissolved Oxygen	0.25	mg/L	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Dissolved Oxygen	0.23	mg/L	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Dissolved Oxygen	1.48	mg/L	CAPA-11-9562
03-B-13	21.5	01/25/11	WG	Dissolved Oxygen	0.25	mg/L	CAPA-11-2954
03-B-13	21.5	04/23/12	WG	Oxidation-Reduction Potential	207.3	mV	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Oxidation-Reduction Potential	102.9	mV	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Oxidation-Reduction Potential	192.2	mV	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Oxidation-Reduction Potential	191.7	mV	CAPA-11-9562
03-B-13	21.5	01/25/11	WG	Oxidation-Reduction Potential	223.4	mV	CAPA-11-2954
03-B-13	21.5	04/23/12	WG	pH	5.96	SU[b]	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	pH	6.1	SU	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	pH	6.15	SU	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	pH	6.19	SU	CAPA-11-9562
03-B-13	21.5	01/25/11	WG	pH	6.01	SU	CAPA-11-2954
03-B-13	21.5	04/23/12	WG	Specific Conductance	605	µS/cm	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Specific Conductance	414	µS/cm	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Specific Conductance	298	µS/cm	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Specific Conductance	368	µS/cm	CAPA-11-9562
03-B-13	21.5	01/25/11	WG	Specific Conductance	365	µS/cm	CAPA-11-2954
03-B-13	21.5	04/23/12	WG	Temperature	13.79	deg C	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Temperature	14.1	deg C	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Temperature	14.36	deg C	CAPA-11-22661
03-B-13	21.5	04/22/11	WG	Temperature	13.6	deg C	CAPA-11-9562
03-B-13	21.5	01/25/11	WG	Temperature	13.12	deg C	CAPA-11-2954
03-B-13	21.5	04/23/12	WG	Turbidity	9.05	NTU[c]	CAPA-12-13277
03-B-13	21.5	10/21/11	WG	Turbidity	120	NTU	CAPA-12-1132
03-B-13	21.5	07/11/11	WG	Turbidity	35.3	NTU	CAPA-11-22661

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
03-B-13	21.5	04/22/11	WG	Turbidity	47.4	NTU	CAPA-11-9562
03-B-13	21.5	01/25/11	WG	Turbidity	34.6	NTU	CAPA-11-2954
18-MW-18	12.5	04/30/12	WG	Dissolved Oxygen	7.27	mg/L	CAPA-12-13278
18-MW-18	12.5	07/26/10	WG	Dissolved Oxygen	14.34	mg/L	CAPA-10-24037
18-MW-18	12.5	09/02/09	WG	Dissolved Oxygen	6.16	mg/L	CAPA-09-12138
18-MW-18	12.5	05/29/09	WG	Dissolved Oxygen	11.01	mg/L	CAPA-09-9327
18-MW-18	12.5	03/02/09	WG	Dissolved Oxygen	6.99	mg/L	CAPA-09-4115
18-MW-18	12.5	04/30/12	WG	Oxidation-Reduction Potential	125.2	mV	CAPA-12-13278
18-MW-18	12.5	07/26/10	WG	Oxidation-Reduction Potential	188.1	mV	CAPA-10-24037
18-MW-18	12.5	09/02/09	WG	Oxidation-Reduction Potential	151.2	mV	CAPA-09-12138
18-MW-18	12.5	05/29/09	WG	Oxidation-Reduction Potential	259.4	mV	CAPA-09-9327
18-MW-18	12.5	03/02/09	WG	Oxidation-Reduction Potential	436.1	mV	CAPA-09-4115
18-MW-18	12.5	04/30/12	WG	pH	6.76	SU	CAPA-12-13278
18-MW-18	12.5	07/26/10	WG	pH	6.51	SU	CAPA-10-24037
18-MW-18	12.5	09/02/09	WG	pH	6.61	SU	CAPA-09-12138
18-MW-18	12.5	05/29/09	WG	pH	6.44	SU	CAPA-09-9327
18-MW-18	12.5	03/02/09	WG	pH	5.93	SU	CAPA-09-4115
18-MW-18	12.5	04/30/12	WG	Specific Conductance	146.7	µS/cm	CAPA-12-13278
18-MW-18	12.5	07/26/10	WG	Specific Conductance	635	µS/cm	CAPA-10-24037
18-MW-18	12.5	09/02/09	WG	Specific Conductance	1023	µS/cm	CAPA-09-12138
18-MW-18	12.5	05/29/09	WG	Specific Conductance	1104	µS/cm	CAPA-09-9327
18-MW-18	12.5	03/02/09	WG	Specific Conductance	868	µS/cm	CAPA-09-4115
18-MW-18	12.5	04/30/12	WG	Temperature	11.93	deg C	CAPA-12-13278
18-MW-18	12.5	07/26/10	WG	Temperature	13.62	deg C	CAPA-10-24037
18-MW-18	12.5	09/02/09	WG	Temperature	14.64	deg C	CAPA-09-12138
18-MW-18	12.5	05/29/09	WG	Temperature	11.89	deg C	CAPA-09-9327
18-MW-18	12.5	03/02/09	WG	Temperature	11.94	deg C	CAPA-09-4115
18-MW-18	12.5	04/30/12	WG	Turbidity	1.86	NTU	CAPA-12-13278

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
18-MW-18	12.5	07/26/10	WG	Turbidity	3.94	NTU	CAPA-10-24037
18-MW-18	12.5	09/02/09	WG	Turbidity	0.75	NTU	CAPA-09-12138
18-MW-18	12.5	05/29/09	WG	Turbidity	2.8	NTU	CAPA-09-9327
18-MW-18	12.5	03/02/09	WG	Turbidity	0.39	NTU	CAPA-09-4115
PCAO-8	9.7	04/27/12	WG	Dissolved Oxygen	6.21	mg/L	CAPA-12-13290
PCAO-8	9.7	04/25/11	WG	Dissolved Oxygen	6.44	mg/L	CAPA-11-9553
PCAO-8	9.7	10/23/10	WG	Dissolved Oxygen	4.07	mg/L	CAPA-10-27432
PCAO-8	9.7	06/08/10	WG	Dissolved Oxygen	5.55	mg/L	CAPA-10-17777
PCAO-8	9.7	03/02/10	WG	Dissolved Oxygen	6	mg/L	CAPA-10-13076
PCAO-8	9.7	04/27/12	WG	Oxidation-Reduction Potential	235.8	mV	CAPA-12-13290
PCAO-8	9.7	04/25/11	WG	Oxidation-Reduction Potential	200.9	mV	CAPA-11-9553
PCAO-8	9.7	10/23/10	WG	Oxidation-Reduction Potential	405.5	mV	CAPA-10-27432
PCAO-8	9.7	06/08/10	WG	Oxidation-Reduction Potential	377.7	mV	CAPA-10-17777
PCAO-8	9.7	03/02/10	WG	Oxidation-Reduction Potential	365	mV	CAPA-10-13076
PCAO-8	9.7	04/27/12	WG	pH	6.37	SU	CAPA-12-13290
PCAO-8	9.7	04/25/11	WG	pH	6.39	SU	CAPA-11-9553
PCAO-8	9.7	10/23/10	WG	pH	6.17	SU	CAPA-10-27432
PCAO-8	9.7	06/08/10	WG	pH	5.82	SU	CAPA-10-17777
PCAO-8	9.7	03/02/10	WG	pH	6.23	SU	CAPA-10-13076
PCAO-8	9.7	04/27/12	WG	Specific Conductance	571	µS/cm	CAPA-12-13290
PCAO-8	9.7	04/25/11	WG	Specific Conductance	656	µS/cm	CAPA-11-9553
PCAO-8	9.7	10/23/10	WG	Specific Conductance	891	µS/cm	CAPA-10-27432
PCAO-8	9.7	06/08/10	WG	Specific Conductance	896	µS/cm	CAPA-10-17777
PCAO-8	9.7	03/02/10	WG	Specific Conductance	389	µS/cm	CAPA-10-13076
PCAO-8	9.7	04/27/12	WG	Temperature	13.23	deg C	CAPA-12-13290
PCAO-8	9.7	04/25/11	WG	Temperature	12.25	deg C	CAPA-11-9553
PCAO-8	9.7	10/23/10	WG	Temperature	14.77	deg C	CAPA-10-27432
PCAO-8	9.7	06/08/10	WG	Temperature	11.05	deg C	CAPA-10-17777

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
PCAO-8	9.7	03/02/10	WG	Temperature	10.91	deg C	CAPA-10-13076
PCAO-8	9.7	04/27/12	WG	Turbidity	6.21	NTU	CAPA-12-13290
PCAO-8	9.7	04/25/11	WG	Turbidity	6.44	NTU	CAPA-11-9553
PCAO-8	9.7	10/23/10	WG	Turbidity	17.5	NTU	CAPA-10-27432
PCAO-8	9.7	06/08/10	WG	Turbidity	1.83	NTU	CAPA-10-17777
PCAO-8	9.7	03/02/10	WG	Turbidity	11.8	NTU	CAPA-10-13076
PCI-2	512	04/24/12	WG	Dissolved Oxygen	8.23	mg/L	CAPA-12-13281
PCI-2	512	07/22/11	WG	Dissolved Oxygen	8.14	mg/L	CAPA-11-22851
PCI-2	512	05/06/11	WG	Dissolved Oxygen	8.2	mg/L	CAPA-11-9283
PCI-2	512	10/11/10	WG	Dissolved Oxygen	7.59	mg/L	CAPA-10-26957
PCI-2	512	08/02/10	WG	Dissolved Oxygen	7.45	mg/L	CAPA-10-24132
PCI-2	512	04/24/12	WG	Oxidation-Reduction Potential	134.8	mV	CAPA-12-13281
PCI-2	512	07/22/11	WG	Oxidation-Reduction Potential	309.2	mV	CAPA-11-22851
PCI-2	512	05/06/11	WG	Oxidation-Reduction Potential	125.9	mV	CAPA-11-9283
PCI-2	512	10/11/10	WG	Oxidation-Reduction Potential	75.1	mV	CAPA-10-26957
PCI-2	512	08/02/10	WG	Oxidation-Reduction Potential	376.5	mV	CAPA-10-24132
PCI-2	512	04/24/12	WG	pH	7.33	SU	CAPA-12-13281
PCI-2	512	07/22/11	WG	pH	7.42	SU	CAPA-11-22851
PCI-2	512	05/06/11	WG	pH	7.14	SU	CAPA-11-9283
PCI-2	512	10/11/10	WG	pH	6.77	SU	CAPA-10-26957
PCI-2	512	08/02/10	WG	pH	7.16	SU	CAPA-10-24132
PCI-2	512	04/24/12	WG	Specific Conductance	107	µS/cm	CAPA-12-13281
PCI-2	512	07/22/11	WG	Specific Conductance	111	µS/cm	CAPA-11-22851
PCI-2	512	05/06/11	WG	Specific Conductance	109	µS/cm	CAPA-11-9283
PCI-2	512	10/11/10	WG	Specific Conductance	108	µS/cm	CAPA-10-26957
PCI-2	512	08/02/10	WG	Specific Conductance	102	µS/cm	CAPA-10-24132
PCI-2	512	04/24/12	WG	Temperature	13.46	deg C	CAPA-12-13281
PCI-2	512	07/22/11	WG	Temperature	14.11	deg C	CAPA-11-22851

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
PCI-2	512	05/06/11	WG	Temperature	14.82	deg C	CAPA-11-9283
PCI-2	512	10/11/10	WG	Temperature	13.56	deg C	CAPA-10-26957
PCI-2	512	08/02/10	WG	Temperature	14.28	deg C	CAPA-10-24132
PCI-2	512	04/24/12	WG	Turbidity	0.35	NTU	CAPA-12-13281
PCI-2	512	07/22/11	WG	Turbidity	0.89	NTU	CAPA-11-22851
PCI-2	512	05/06/11	WG	Turbidity	0.8	NTU	CAPA-11-9283
PCI-2	512	10/11/10	WG	Turbidity	0.7	NTU	CAPA-10-26957
PCI-2	512	08/02/10	WG	Turbidity	1.08	NTU	CAPA-10-24132
R-17 S1	1057	05/02/12	WG	Dissolved Oxygen	7.2	mg/L	CAPA-12-13282
R-17 S1	1057	05/02/12	WG	Dissolved Oxygen	7.2	mg/L	CAPA-12-13292
R-17 S1	1057	07/27/11	WG	Dissolved Oxygen	7.55	mg/L	CAPA-11-22871
R-17 S1	1057	04/27/11	WG	Dissolved Oxygen	6.77	mg/L	CAPA-11-9288
R-17 S1	1057	01/20/11	WG	Dissolved Oxygen	5.41	mg/L	CAPA-11-2982
R-17 S1	1057	10/22/10	WG	Dissolved Oxygen	7.41	mg/L	CAPA-10-26961
R-17 S1	1057	05/02/12	WG	Oxidation-Reduction Potential	137.9	mV	CAPA-12-13282
R-17 S1	1057	05/02/12	WG	Oxidation-Reduction Potential	137.9	mV	CAPA-12-13292
R-17 S1	1057	07/27/11	WG	Oxidation-Reduction Potential	123.1	mV	CAPA-11-22871
R-17 S1	1057	04/27/11	WG	Oxidation-Reduction Potential	73	mV	CAPA-11-9288
R-17 S1	1057	01/20/11	WG	Oxidation-Reduction Potential	201.7	mV	CAPA-11-2982
R-17 S1	1057	10/22/10	WG	Oxidation-Reduction Potential	394.6	mV	CAPA-10-26961
R-17 S1	1057	05/02/12	WG	pH	7.75	SU	CAPA-12-13282
R-17 S1	1057	05/02/12	WG	pH	7.75	SU	CAPA-12-13292
R-17 S1	1057	07/27/11	WG	pH	7.95	SU	CAPA-11-22871
R-17 S1	1057	04/27/11	WG	pH	7.95	SU	CAPA-11-9288
R-17 S1	1057	01/20/11	WG	pH	7.68	SU	CAPA-11-2982
R-17 S1	1057	10/22/10	WG	pH	7.7	SU	CAPA-10-26961
R-17 S1	1057	05/02/12	WG	Specific Conductance	123	µS/cm	CAPA-12-13282
R-17 S1	1057	05/02/12	WG	Specific Conductance	123	µS/cm	CAPA-12-13292

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-17 S1	1057	07/27/11	WG	Specific Conductance	130	µS/cm	CAPA-11-22871
R-17 S1	1057	04/27/11	WG	Specific Conductance	122	µS/cm	CAPA-11-9288
R-17 S1	1057	01/20/11	WG	Specific Conductance	122	µS/cm	CAPA-11-2982
R-17 S1	1057	10/22/10	WG	Specific Conductance	129	µS/cm	CAPA-10-26961
R-17 S1	1057	05/02/12	WG	Temperature	22.15	deg C	CAPA-12-13282
R-17 S1	1057	05/02/12	WG	Temperature	22.15	deg C	CAPA-12-13292
R-17 S1	1057	07/27/11	WG	Temperature	22.07	deg C	CAPA-11-22871
R-17 S1	1057	04/27/11	WG	Temperature	21.69	deg C	CAPA-11-9288
R-17 S1	1057	01/20/11	WG	Temperature	21.36	deg C	CAPA-11-2982
R-17 S1	1057	10/22/10	WG	Temperature	18.98	deg C	CAPA-10-26961
R-17 S1	1057	05/02/12	WG	Turbidity	0.7	NTU	CAPA-12-13282
R-17 S1	1057	05/02/12	WG	Turbidity	0.7	NTU	CAPA-12-13292
R-17 S1	1057	07/27/11	WG	Turbidity	0.81	NTU	CAPA-11-22871
R-17 S1	1057	04/27/11	WG	Turbidity	0.71	NTU	CAPA-11-9288
R-17 S1	1057	01/20/11	WG	Turbidity	0.65	NTU	CAPA-11-2982
R-17 S1	1057	10/22/10	WG	Turbidity	0.73	NTU	CAPA-10-26961
R-17 S2	1124	05/02/12	WG	Dissolved Oxygen	6.52	mg/L	CAPA-12-13283
R-17 S2	1124	05/02/12	WG	Dissolved Oxygen	6.52	mg/L	CAPA-12-13293
R-17 S2	1124	07/27/11	WG	Dissolved Oxygen	6.45	mg/L	CAPA-11-22876
R-17 S2	1124	04/27/11	WG	Dissolved Oxygen	6.53	mg/L	CAPA-11-9289
R-17 S2	1124	01/20/11	WG	Dissolved Oxygen	5.42	mg/L	CAPA-11-2984
R-17 S2	1124	10/22/10	WG	Dissolved Oxygen	6.98	mg/L	CAPA-10-26963
R-17 S2	1124	05/02/12	WG	Oxidation-Reduction Potential	146.9	mV	CAPA-12-13283
R-17 S2	1124	05/02/12	WG	Oxidation-Reduction Potential	146.9	mV	CAPA-12-13293
R-17 S2	1124	07/27/11	WG	Oxidation-Reduction Potential	123.2	mV	CAPA-11-22876
R-17 S2	1124	04/27/11	WG	Oxidation-Reduction Potential	64.3	mV	CAPA-11-9289
R-17 S2	1124	01/20/11	WG	Oxidation-Reduction Potential	214.4	mV	CAPA-11-2984
R-17 S2	1124	10/22/10	WG	Oxidation-Reduction Potential	432.9	mV	CAPA-10-26963

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-17 S2	1124	05/02/12	WG	pH	7.89	SU	CAPA-12-13283
R-17 S2	1124	05/02/12	WG	pH	7.89	SU	CAPA-12-13293
R-17 S2	1124	07/27/11	WG	pH	7.97	SU	CAPA-11-22876
R-17 S2	1124	04/27/11	WG	pH	7.99	SU	CAPA-11-9289
R-17 S2	1124	01/20/11	WG	pH	7.76	SU	CAPA-11-2984
R-17 S2	1124	10/22/10	WG	pH	7.71	SU	CAPA-10-26963
R-17 S2	1124	05/02/12	WG	Specific Conductance	118	µS/cm	CAPA-12-13283
R-17 S2	1124	05/02/12	WG	Specific Conductance	118	µS/cm	CAPA-12-13293
R-17 S2	1124	07/27/11	WG	Specific Conductance	122	µS/cm	CAPA-11-22876
R-17 S2	1124	04/27/11	WG	Specific Conductance	119	µS/cm	CAPA-11-9289
R-17 S2	1124	01/20/11	WG	Specific Conductance	118	µS/cm	CAPA-11-2984
R-17 S2	1124	10/22/10	WG	Specific Conductance	120	µS/cm	CAPA-10-26963
R-17 S2	1124	05/02/12	WG	Temperature	21.96	deg C	CAPA-12-13283
R-17 S2	1124	05/02/12	WG	Temperature	21.96	deg C	CAPA-12-13293
R-17 S2	1124	07/27/11	WG	Temperature	22.03	deg C	CAPA-11-22876
R-17 S2	1124	04/27/11	WG	Temperature	21.51	deg C	CAPA-11-9289
R-17 S2	1124	01/20/11	WG	Temperature	21.43	deg C	CAPA-11-2984
R-17 S2	1124	10/22/10	WG	Temperature	19.45	deg C	CAPA-10-26963
R-17 S2	1124	05/02/12	WG	Turbidity	0.28	NTU	CAPA-12-13283
R-17 S2	1124	05/02/12	WG	Turbidity	0.28	NTU	CAPA-12-13293
R-17 S2	1124	07/27/11	WG	Turbidity	0.35	NTU	CAPA-11-22876
R-17 S2	1124	04/27/11	WG	Turbidity	0.3	NTU	CAPA-11-9289
R-17 S2	1124	01/20/11	WG	Turbidity	0.3	NTU	CAPA-11-2984
R-17 S2	1124	10/22/10	WG	Turbidity	0.58	NTU	CAPA-10-26963
R-19 S2	893.3	05/02/12	WG	Dissolved Oxygen	4.17	mg/L	CAPA-12-13284
R-19 S2	893.3	05/12/11	WG	Dissolved Oxygen	6.59	mg/L	CAPA-11-9564
R-19 S2	893.3	10/15/10	WG	Dissolved Oxygen	3.46	mg/L	CAPA-10-26954
R-19 S2	893.3	06/02/10	WG	Dissolved Oxygen	3.85	mg/L	CAPA-10-17572

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-19 S2	893.3	02/25/10	WG	Dissolved Oxygen	5.12	mg/L	CAPA-10-12794
R-19 S2	893.3	05/02/12	WG	pH	8.24	SU	CAPA-12-13284
R-19 S2	893.3	05/12/11	WG	pH	8.27	SU	CAPA-11-9564
R-19 S2	893.3	10/15/10	WG	pH	8.04	SU	CAPA-10-26954
R-19 S2	893.3	06/02/10	WG	pH	7.96	SU	CAPA-10-17572
R-19 S2	893.3	02/25/10	WG	pH	7.76	SU	CAPA-10-12794
R-19 S2	893.3	05/02/12	WG	Specific Conductance	168	µS/cm	CAPA-12-13284
R-19 S2	893.3	05/12/11	WG	Specific Conductance	169	µS/cm	CAPA-11-9564
R-19 S2	893.3	10/15/10	WG	Specific Conductance	168	µS/cm	CAPA-10-26954
R-19 S2	893.3	06/02/10	WG	Specific Conductance	169	µS/cm	CAPA-10-17572
R-19 S2	893.3	02/25/10	WG	Specific Conductance	164	µS/cm	CAPA-10-12794
R-19 S2	893.3	05/02/12	WG	Temperature	20.29	deg C	CAPA-12-13284
R-19 S2	893.3	05/12/11	WG	Temperature	17.79	deg C	CAPA-11-9564
R-19 S2	893.3	10/15/10	WG	Temperature	19.12	deg C	CAPA-10-26954
R-19 S2	893.3	06/02/10	WG	Temperature	19.47	deg C	CAPA-10-17572
R-19 S2	893.3	02/25/10	WG	Temperature	12.8	deg C	CAPA-10-12794
R-19 S2	893.3	05/02/12	WG	Turbidity	0.3	NTU	CAPA-12-13284
R-19 S2	893.3	05/12/11	WG	Turbidity	0.44	NTU	CAPA-11-9564
R-19 S2	893.3	10/15/10	WG	Turbidity	0.31	NTU	CAPA-10-26954
R-19 S2	893.3	06/02/10	WG	Turbidity	0.32	NTU	CAPA-10-17572
R-19 S2	893.3	02/25/10	WG	Turbidity	0.95	NTU	CAPA-10-12794
R-19 S3	1171.4	05/03/12	WG	Dissolved Oxygen	5.82	mg/L	CAPA-12-13285
R-19 S3	1171.4	07/20/11	WG	Dissolved Oxygen	4.69	mg/L	CAPA-11-22860
R-19 S3	1171.4	05/10/11	WG	Dissolved Oxygen	7.13	mg/L	CAPA-11-9578
R-19 S3	1171.4	01/21/11	WG	Dissolved Oxygen	4.85	mg/L	CAPA-11-2969
R-19 S3	1171.4	10/15/10	WG	Dissolved Oxygen	6.09	mg/L	CAPA-10-27366
R-19 S3	1171.4	05/03/12	WG	pH	7.94	SU	CAPA-12-13285
R-19 S3	1171.4	07/20/11	WG	pH	8.03	SU	CAPA-11-22860

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-19 S3	1171.4	05/10/11	WG	pH	7.97	SU	CAPA-11-9578
R-19 S3	1171.4	01/21/11	WG	pH	8.06	SU	CAPA-11-2969
R-19 S3	1171.4	10/15/10	WG	pH	7.52	SU	CAPA-10-27366
R-19 S3	1171.4	05/03/12	WG	Specific Conductance	135	µS/cm	CAPA-12-13285
R-19 S3	1171.4	07/20/11	WG	Specific Conductance	140	µS/cm	CAPA-11-22860
R-19 S3	1171.4	05/10/11	WG	Specific Conductance	132	µS/cm	CAPA-11-9578
R-19 S3	1171.4	01/21/11	WG	Specific Conductance	148	µS/cm	CAPA-11-2969
R-19 S3	1171.4	10/15/10	WG	Specific Conductance	126	µS/cm	CAPA-10-27366
R-19 S3	1171.4	05/03/12	WG	Temperature	20.59	deg C	CAPA-12-13285
R-19 S3	1171.4	07/20/11	WG	Temperature	23.85	deg C	CAPA-11-22860
R-19 S3	1171.4	05/10/11	WG	Temperature	19.5	deg C	CAPA-11-9578
R-19 S3	1171.4	01/21/11	WG	Temperature	18.73	deg C	CAPA-11-2969
R-19 S3	1171.4	10/15/10	WG	Temperature	19.77	deg C	CAPA-10-27366
R-19 S3	1171.4	05/03/12	WG	Turbidity	0.36	NTU	CAPA-12-13285
R-19 S3	1171.4	07/20/11	WG	Turbidity	0.63	NTU	CAPA-11-22860
R-19 S3	1171.4	05/10/11	WG	Turbidity	0.51	NTU	CAPA-11-9578
R-19 S3	1171.4	01/21/11	WG	Turbidity	6.05	NTU	CAPA-11-2969
R-19 S3	1171.4	10/15/10	WG	Turbidity	0.2	NTU	CAPA-10-27366
R-19 S4	1410.2	05/07/12	WG	Dissolved Oxygen	7.58	mg/L	CAPA-12-13286
R-19 S4	1410.2	07/20/11	WG	Dissolved Oxygen	6.38	mg/L	CAPA-11-22864
R-19 S4	1410.2	05/10/11	WG	Dissolved Oxygen	6.5	mg/L	CAPA-11-9582
R-19 S4	1410.2	01/21/11	WG	Dissolved Oxygen	10.08	mg/L	CAPA-11-2973
R-19 S4	1410.2	10/14/10	WG	Dissolved Oxygen	7.21	mg/L	CAPA-10-27369
R-19 S4	1410.2	05/07/12	WG	pH	8.04	SU	CAPA-12-13286
R-19 S4	1410.2	07/20/11	WG	pH	8.05	SU	CAPA-11-22864
R-19 S4	1410.2	05/10/11	WG	pH	8.11	SU	CAPA-11-9582
R-19 S4	1410.2	01/21/11	WG	pH	7.65	SU	CAPA-11-2973
R-19 S4	1410.2	10/14/10	WG	pH	7.68	SU	CAPA-10-27369

Location	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-19 S4	1410.2	05/07/12	WG	Specific Conductance	115	µS/cm	CAPA-12-13286
R-19 S4	1410.2	07/20/11	WG	Specific Conductance	120	µS/cm	CAPA-11-22864
R-19 S4	1410.2	05/10/11	WG	Specific Conductance	113	µS/cm	CAPA-11-9582
R-19 S4	1410.2	01/21/11	WG	Specific Conductance	121	µS/cm	CAPA-11-2973
R-19 S4	1410.2	10/14/10	WG	Specific Conductance	116	µS/cm	CAPA-10-27369
R-19 S4	1410.2	05/07/12	WG	Temperature	19.33	deg C	CAPA-12-13286
R-19 S4	1410.2	07/20/11	WG	Temperature	22.97	deg C	CAPA-11-22864
R-19 S4	1410.2	05/10/11	WG	Temperature	19.36	deg C	CAPA-11-9582
R-19 S4	1410.2	01/21/11	WG	Temperature	18.65	deg C	CAPA-11-2973
R-19 S4	1410.2	10/14/10	WG	Temperature	21.32	deg C	CAPA-10-27369
R-19 S4	1410.2	05/07/12	WG	Turbidity	0.7	NTU	CAPA-12-13286
R-19 S4	1410.2	07/20/11	WG	Turbidity	0.71	NTU	CAPA-11-22864
R-19 S4	1410.2	05/10/11	WG	Turbidity	0.68	NTU	CAPA-11-9582
R-19 S4	1410.2	01/21/11	WG	Turbidity	0.54	NTU	CAPA-11-2973
R-19 S4	1410.2	10/14/10	WG	Turbidity	0.86	NTU	CAPA-10-27369

[a] WG = Groundwater.

[b] SU = Standard unit.

[c] 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

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.
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)

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.

Pajarito 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
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.42	—	—	0.01	SU	Y	H	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.34	—	—	0.01	SU	Y	H	J-	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.97	—	—	0.01	SU	Y	H	J-	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.53	—	—	0.01	SU	Y	H	J-	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.43	—	—	0.01	SU	Y	H	J-	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48.5	—	—	0.725	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	76.2	—	—	0.73	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.4	—	—	0.73	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	64.2	—	—	0.73	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.1	—	—	0.73	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	1520	—	—	68	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	11500	—	—	68	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	7830	—	—	68	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	4400	—	—	68	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	2970	—	—	68	µg/L	Y	—	J+	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0244	0.0161	0.0731	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00501	0.006	0.043	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000218	0.0031	0.037	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00388	0.0076	0.061	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0092	0.0058	0.036	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00386	0.0034	0.043	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.15	—	—	0.017	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0646	—	—	0.016	mg/L	Y	—	J+	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0742	—	—	0.016	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0494	—	—	0.016	mg/L	Y	J	J-	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	125	—	—	1	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	109	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	62.8	—	—	1	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	76	—	—	1	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	64.5	—	—	1	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	41.6	—	—	15	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	58.6	—	—	15	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	54.6	—	—	15	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	77.6	—	—	15	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	62.1	—	—	15	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	20.3	—	—	0.05	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.7	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	7.38	—	—	0.05	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.2	—	—	0.05	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.02	—	—	0.05	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.79	1.65	6.3	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.689	1.3	4.2	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.0797	0.78	2.5	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.18	1.1	3.8	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.09	1.2	4.3	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.05	1.5	4.6	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	130	—	—	0.67	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC

Pajarito 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
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	57.8	—	—	0.66	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	34.5	—	—	0.33	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	59.1	—	—	0.66	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	62.1	—	—	0.66	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.66	—	—	0.6	µg/L	N	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.78	—	—	0.3	µg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	1.1	—	—	0.25	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	5	—	—	1.3	µg/L	N	U	UJ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.68	—	—	0.5	µg/L	N	J	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.7	—	—	0.25	µg/L	Y	J	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	1.17	—	—	0.25	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	N	5	—	—	1.3	µg/L	N	U	UJ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.56	—	—	0.5	µg/L	N	J	J	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Chloroform	67-66-3	Y	0.66	—	—	0.25	µg/L	Y	J	J	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	6.72	—	—	2	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.31	—	—	2	µg/L	Y	J	J	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.55	—	—	2	µg/L	Y	J	J	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.95	—	—	2	µg/L	Y	J	J	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.29	1.53	5.85	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.453	1.4	4.9	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.037	0.85	2.7	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.832	1.2	3.7	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.189	1.4	4.6	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.85	1.2	4.1	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	3.12	—	—	0.6	µg/L	N	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.37	—	—	0.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	5.83	—	—	0.3	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	5.95	—	—	1.5	µg/L	N	—	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.9	—	—	0.3	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.86	—	—	0.6	µg/L	N	—	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.4	—	—	0.3	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	4.2	—	—	1.5	µg/L	N	J	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.81	—	—	0.3	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethane[1,1-]	75-34-3	Y	2.28	—	—	0.6	µg/L	N	—	J	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	3.22	—	—	0.6	µg/L	N	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	4.91	—	—	0.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	5.73	—	—	0.3	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	5.7	—	—	1.5	µg/L	N	—	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.34	—	—	0.6	µg/L	N	—	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	2.64	—	—	0.3	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	4.66	—	—	0.3	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	3.9	—	—	1.5	µg/L	N	J	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	9.58	—	—	0.6	µg/L	N	—	J	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Dichloroethene[1,1-]	75-35-4	Y	10.8	—	—	0.3	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	462	—	—	30	µg/L	Y	—	J-	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	912	—	—	33	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	272	—	—	10	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC

Pajarito 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
03-B-13	21.5	04/22/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	417	—	—	21	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	SVOC	SW-846:8270C	Dioxane[1,4-]	123-91-1	Y	185	—	—	4.4	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.133	—	—	0.033	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.178	—	—	0.033	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.193	—	—	0.033	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.137	—	—	0.033	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	3.68	1.27	2.91	—	pCi/L	Y	—	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.62	1.2	2.3	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	09/14/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	6.76	0.908	1.23	—	pCi/L	Y	—	—	193817	GU07090G3B1301	GELC
03-B-13	21.5	07/10/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.93	1.16	2.95	—	pCi/L	Y	U	U	189433	GU07060G3B1301	GELC
03-B-13	21.5	03/29/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.828	0.75	2.46	—	pCi/L	Y	U	U	183441	GU07030G3B1301	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	12.6	1.36	2.24	—	pCi/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	16	2	2.4	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	09/14/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	14	2.15	3.91	—	pCi/L	Y	—	—	193817	GU07090G3B1301	GELC
03-B-13	21.5	07/10/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.09	1.49	3.66	—	pCi/L	Y	—	J	189433	GU07060G3B1301	GELC
03-B-13	21.5	03/29/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.89	2.52	7.27	—	pCi/L	Y	—	J	183441	GU07030G3B1301	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	71.3	—	—	0.453	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	51.1	—	—	0.45	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	28.7	—	—	0.45	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	41	—	—	0.45	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	28.1	—	—	0.45	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	857	—	—	30	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	7170	—	—	30	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	4550	—	—	30	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	2890	—	—	30	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	1660	—	—	30	µg/L	Y	—	J	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	1.08	—	—	0.5	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	1.08	—	—	0.5	µg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	5.13	—	—	0.5	µg/L	Y	—	NQ	12-147	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	3.72	—	—	0.5	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.01	—	—	0.5	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.27	—	—	0.5	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	6.22	—	—	0.5	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.01	—	—	0.5	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.5	—	—	0.5	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Lead	Pb	Y	4.43	—	—	0.5	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	5.01	—	—	0.11	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.09	—	—	0.11	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.5	—	—	0.11	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.2	—	—	0.11	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	1.95	—	—	0.11	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	13.6	—	—	2	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	42.8	—	—	2	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	27.4	—	—	2	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	14.8	—	—	2	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	12.2	—	—	2	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.605	—	—	0.165	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC

Pajarito 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
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.457	—	—	0.165	µg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.711	—	—	0.17	µg/L	Y	—	U	12-147	CAPA-12-1129	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.817	—	—	0.17	µg/L	Y	—	U	12-147	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.27	—	—	0.17	µg/L	Y	—	J	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.17	µg/L	Y	—	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.76	—	—	0.17	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.886	—	—	0.17	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.824	—	—	0.17	µg/L	Y	—	U	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.782	—	—	0.17	µg/L	Y	—	U	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.21	3.45	11.7	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.98	2.8	8.3	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.495	7.2	24	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	24.9	11	35	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-14.9	11	29	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-22.5	11	30	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.61	—	—	0.5	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.01	—	—	0.5	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	3.22	—	—	0.5	µg/L	Y	—	U	12-147	CAPA-12-1129	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	3.28	—	—	0.5	µg/L	Y	—	U	12-147	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.94	—	—	0.5	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.66	—	—	0.5	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	7.44	—	—	0.5	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	11.2	—	—	0.5	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.36	—	—	0.5	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.75	—	—	0.5	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.454	—	—	0.085	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.64	—	—	0.05	mg/L	Y	—	J	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	N	0.25	—	—	0.05	mg/L	Y	U	U	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.812	—	—	0.1	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.354	—	—	0.05	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.265	—	—	0.05	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.126	—	—	0.05	µg/L	Y	J	J	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.107	—	—	0.05	µg/L	Y	J	J	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.415	—	—	0.05	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.113	—	—	0.05	µg/L	Y	J	J	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0151	0.00796	0.0468	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0108	0.0081	0.032	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0248	0.01	0.043	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00791	0.0056	0.033	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00169	0.0037	0.028	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00584	0.0065	0.023	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00903	0.00796	0.0397	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0108	0.011	0.052	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00411	0.0053	0.03	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-9.42E-10	0.0056	0.032	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0000356	0.0079	0.037	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0136	0.0052	0.032	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC

Pajarito 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
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.3	—	—	0.05	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.8	—	—	0.05	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.23	—	—	0.05	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-16.9	19.4	77.1	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	17.6	20	70	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	32.9	9.9	37	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	6.2	18	63	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	48.1	20	36	—	pCi/L	Y	UI	R	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-5.04	18	62	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	17.6	—	—	0.053	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	61.8	—	—	0.053	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	60.3	—	—	0.053	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	31.9	—	—	0.053	mg/L	Y	N	J+	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	23.8	—	—	0.053	mg/L	Y	—	U	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	75.4	—	—	0.1	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	59.7	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	44	—	—	0.1	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	58.7	—	—	0.1	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	52.7	—	—	0.1	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.02	1.58	5.57	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.14	1.5	4.4	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.299	0.82	2.6	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.973	1.1	4	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.26	1.3	3.9	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.601	1.2	3.9	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	566	—	—	1	µS/cm	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	404	—	—	1	µS/cm	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	276	—	—	1	µS/cm	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	370	—	—	1	µS/cm	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	171	—	—	1	µS/cm	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	122	—	—	1	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	81.3	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44	—	—	1	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	64.1	—	—	1	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.1	—	—	1	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.336	0.149	0.484	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.386	0.16	0.49	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.422	0.15	0.48	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	2.91	0.3	0.49	—	pCi/L	Y	—	NQ	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.782	0.16	0.39	—	pCi/L	Y	—	NQ	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	Y	1.17	0.2	0.46	—	pCi/L	Y	—	NQ	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.3	—	—	0.133	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.1	—	—	0.1	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	7.37	—	—	0.1	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	11.2	—	—	0.1	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	8.48	—	—	0.1	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	303	—	—	3.4	mg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC

Pajarito 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
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	331	—	—	3.4	mg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	240	—	—	3.4	mg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	242	—	—	4.8	mg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	263	—	—	2.4	mg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0874	—	—	0.035	mg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.454	—	—	0.035	mg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.115	—	—	0.035	mg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.217	—	—	0.035	mg/L	Y	—	U	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.254	—	—	0.033	mg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	4.18	—	—	0.33	mg/L	Y	—	J-	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.29	—	—	1.7	mg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.02	—	—	0.33	mg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	7.85	—	—	0.66	mg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	4.54	—	—	0.66	mg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0396	—	—	0.017	mg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0877	—	—	0.015	mg/L	Y	—	U	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.117	—	—	0.015	mg/L	Y	—	J	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0434	—	—	0.015	mg/L	Y	J	J	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.047	—	—	0.015	mg/L	Y	J	J	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	113	—	—	0.6	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	170	—	—	0.3	µg/L	N	E	R	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	176	—	—	1.6	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	194	—	—	0.33	µg/L	N	E	R	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	103	—	—	0.65	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	111	—	—	0.33	µg/L	N	E	R	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	237	—	—	0.33	µg/L	N	E	R	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	210	—	—	1.6	µg/L	Y	—	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	129	—	—	0.33	µg/L	N	E	R	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,1-]	71-55-6	Y	99.4	—	—	0.65	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	2	—	—	0.6	µg/L	N	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	Y	0.45	—	—	0.3	µg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	Y	0.6	—	—	0.25	µg/L	Y	J	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	5	—	—	1.3	µg/L	N	U	UJ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	1	—	—	0.25	µg/L	Y	U	U	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	2	—	—	0.5	µg/L	N	U	UJ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	1	—	—	0.25	µg/L	Y	U	U	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	5	—	—	1.3	µg/L	N	U	UJ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	2	—	—	0.5	µg/L	N	U	UJ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethane[1,1,2-]	79-00-5	N	1	—	—	0.25	µg/L	Y	U	U	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.28	—	—	0.6	µg/L	N	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.65	—	—	0.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	2.21	—	—	0.25	µg/L	Y	—	NQ	12-146	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.9	—	—	1.3	µg/L	N	J	J	12-146	CAPA-12-1132	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.4	—	—	0.25	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	07/11/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.4	—	—	0.5	µg/L	N	J	J	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	2.55	—	—	1.3	µg/L	Y	J	J	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	2.35	—	—	0.25	µg/L	N	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	DL	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.18	—	—	0.5	µg/L	N	J	J	11-1201	CAPA-11-2954	GELC

Pajarito 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
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	VOC	SW-846:8260B	Trichloroethene	79-01-6	Y	1.74	—	—	0.25	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1670	85.2	205	—	pCi/L	Y	—	NQ	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	893	120	190	—	pCi/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	1030	130	160	—	pCi/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	Y	854	100	100	—	pCi/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	10/22/10	WG	UF	INIT	REG	RAD	EPA:906.0	Tritium	H-3	N	156	59	180	—	pCi/L	Y	U	U	11-247	CAPA-10-26927	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.185	—	—	0.067	µg/L	Y	J	J	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.173	—	—	0.067	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.766	—	—	0.067	µg/L	Y	—	NQ	12-147	CAPA-12-1132	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.656	—	—	0.067	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.602	—	—	0.067	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	07/11/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.692	—	—	0.067	µg/L	Y	—	NQ	11-2783	CAPA-11-22661	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.461	—	—	0.067	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	04/22/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.646	—	—	0.067	µg/L	Y	—	NQ	11-2148	CAPA-11-9562	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.463	—	—	0.067	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	01/25/11	WG	UF	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.486	—	—	0.067	µg/L	Y	—	NQ	11-1201	CAPA-11-2954	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.066	0.0186	0.0769	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.259	0.033	0.084	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.0396	0.011	0.053	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.418	0.076	0.33	—	pCi/L	Y	—	J+	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.116	0.031	0.2	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.116	0.034	0.3	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00156	0.00685	0.0549	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0144	0.0089	0.04	—	pCi/L	Y	U	U	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.0037	0.042	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0116	0.012	0.17	—	pCi/L	Y	U	U	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0103	0.018	0.15	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00684	0.015	0.1	—	pCi/L	Y	U	U	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0237	0.0115	0.0388	—	pCi/L	Y	U	U	12-1236	CAPA-12-13277	GELC
03-B-13	21.5	08/12/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.305	0.037	0.051	—	pCi/L	Y	—	NQ	10-4140	CAPA-10-24078	GELC
03-B-13	21.5	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0361	0.011	0.037	—	pCi/L	Y	U	U	10-2220	CAPA-10-12788	GELC
03-B-13	21.5	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.384	0.072	0.2	—	pCi/L	Y	—	J+	09-3202	CAPA-09-12149	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0166	0.02	0.18	—	pCi/L	Y	U	U	08-1349	CAPA-08-13145	GELC
03-B-13	21.5	06/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.127	0.031	0.12	—	pCi/L	Y	—	NQ	08-1349	CAPA-08-13143	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.77	—	—	1	µg/L	Y	J	J	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	8.43	—	—	1	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	6.53	—	—	1	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.09	—	—	1	µg/L	Y	J	J	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	1.91	—	—	1	µg/L	Y	J	U	11-1201	CAPA-11-2953	GELC
03-B-13	21.5	04/23/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	17.9	—	—	3.3	µg/L	Y	—	NQ	12-1236	CAPA-12-13287	GELC
03-B-13	21.5	10/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	26.8	—	—	3.3	µg/L	Y	—	NQ	12-147	CAPA-12-1129	GELC
03-B-13	21.5	07/11/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	31.6	—	—	3.3	µg/L	Y	—	NQ	11-2783	CAPA-11-22662	GELC
03-B-13	21.5	04/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	26.1	—	—	3.3	µg/L	Y	—	NQ	11-2148	CAPA-11-9561	GELC
03-B-13	21.5	01/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	28.9	—	—	3.3	µg/L	Y	—	NQ	11-1201	CAPA-11-2953	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.78	—	—	0.01	SU	Y	H	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.99	—	—	0.01	SU	Y	H	J-	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.85	—	—	0.01	SU	Y	H	J-	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.86	—	—	0.01	SU	Y	H	J-	09-2094	CAPA-09-9329	GELC

Pajarito 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
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.91	—	—	0.01	SU	Y	H	J-	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.15	—	—	0.01	SU	Y	H	J-	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.89	—	—	0.01	SU	Y	H	J-	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	70.9	—	—	0.725	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.4	—	—	0.73	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	107	—	—	0.73	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	68.6	—	—	0.73	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	69.1	—	—	0.73	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.73	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	63.3	—	—	0.73	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0156	0.0136	0.0746	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00191	0.0018	0.036	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00457	0.0034	0.032	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00286	0.0016	0.03	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000805	0.0085	0.026	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000342	0.012	0.028	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00106	0.0027	0.034	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	531	—	—	1	µg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	257	—	—	1	µg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	444	—	—	1	µg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	475	—	—	1	µg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	457	—	—	1	µg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	413	—	—	1	µg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	400	—	—	1	µg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.9	—	—	15	µg/L	Y	J	J	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	30.6	—	—	15	µg/L	Y	J	J	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	42.6	—	—	15	µg/L	Y	J	U	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	26.7	—	—	10	µg/L	Y	J	J	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	Y	25.9	—	—	10	µg/L	Y	J	J	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Boron	B	N	24.3	—	—	10	µg/L	Y	J	U	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	24.5	—	—	10	µg/L	Y	J	U	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0915	—	—	0.067	mg/L	Y	J	J	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	UJ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.081	—	—	0.067	mg/L	Y	J	J	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.082	—	—	0.067	mg/L	Y	J	J	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	80.5	—	—	0.05	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	39.8	—	—	0.05	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.1	—	—	0.05	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	73.9	—	—	0.03	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	77.5	—	—	0.03	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	66	—	—	0.15	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	68.3	—	—	0.15	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.23	1.3	5.12	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.52	1.7	6.2	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.97	1.5	4.5	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC

Pajarito 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
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.608	1.2	4.2	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.38	1.2	4.4	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.79	1.3	3.8	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.992	1.3	4.5	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	354	—	—	3.35	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	179	—	—	1.3	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	275	—	—	1.3	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	312	—	—	3.3	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	320	—	—	3.3	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	291	—	—	1.3	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	292	—	—	1.3	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.3	1.56	6.84	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.07	1.6	5	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.21	1.2	4.1	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.819	1.5	5	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.25	1.4	4.6	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.106	1.2	4	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.881	1.2	4.1	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.117	—	—	0.033	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.161	—	—	0.033	mg/L	Y	—	J-	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.166	—	—	0.033	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.125	—	—	0.033	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.122	—	—	0.033	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.117	—	—	0.033	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.113	—	—	0.033	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.0645	0.64	2.95	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.39	0.93	2.9	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	3.65	1.2	2.9	—	pCi/L	Y	—	NQ	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.804	0.329	1.98	—	pCi/L	Y	U	U	193715	GU07090G181801	GELC
18-MW-18	12.5	06/26/07	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	-0.0832	0.288	1.09	—	pCi/L	Y	U	U	188738	GU07060G181820	GELC
18-MW-18	12.5	06/26/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	Y	1.28	0.387	1.06	—	pCi/L	Y	—	J	188738	GU07060G181801	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	5.12	1.04	2.99	—	pCi/L	Y	—	NQ	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.32	1	2.3	—	pCi/L	Y	—	NQ	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	8.42	2.4	6.7	—	pCi/L	Y	—	NQ	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.5	0.99	2.85	—	pCi/L	Y	—	J	193715	GU07090G181801	GELC
18-MW-18	12.5	06/26/07	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	Y	5.2	0.695	1.55	—	pCi/L	Y	—	—	188738	GU07060G181820	GELC
18-MW-18	12.5	06/26/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.96	0.69	1.59	—	pCi/L	Y	—	—	188738	GU07060G181801	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	302	—	—	0.453	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	149	—	—	0.35	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	258	—	—	0.35	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	276	—	—	0.35	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	290	—	—	0.35	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	254	—	—	0.38	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	247	—	—	0.38	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	24.4	—	—	0.11	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	12.1	—	—	0.085	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	21.4	—	—	0.085	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	22.3	—	—	0.085	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC

Pajarito 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
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	23.5	—	—	0.085	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	20	—	—	0.085	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	20.2	—	—	0.085	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.767	—	—	0.165	µg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.1	µg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.21	—	—	0.1	µg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.513	—	—	0.1	µg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.496	—	—	0.1	µg/L	Y	J	J	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.48	—	—	0.1	µg/L	Y	J	U	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.45	—	—	0.1	µg/L	Y	J	U	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.17	2.91	10.4	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.06	2.9	10	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.25	10	33	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	16.8	14	42	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	9.95	9.8	34	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	5.83	11	32	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-22.5	11	33	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	3.26	—	—	0.5	µg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.89	—	—	0.5	µg/L	Y	J	J	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	4.9	—	—	0.5	µg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.46	—	—	0.5	µg/L	Y	J	J	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.38	—	—	0.5	µg/L	Y	J	J	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.5	—	—	0.5	µg/L	Y	J	J	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.4	—	—	0.5	µg/L	Y	J	J	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	2.13	—	—	0.085	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.1	—	—	0.05	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.15	—	—	0.05	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.17	—	—	0.05	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	1.06	—	—	0.05	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.9	—	—	0.05	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.91	—	—	0.05	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.171	—	—	0.05	µg/L	Y	J	J	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.211	—	—	0.05	µg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.162	—	—	0.05	µg/L	Y	J	J	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.135	—	—	0.05	µg/L	Y	J	J	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.15	—	—	0.05	µg/L	Y	J	J	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.117	—	—	0.05	µg/L	Y	J	J	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.111	—	—	0.05	µg/L	Y	J	J	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00278	0.00393	0.0431	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00213	0.0056	0.019	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.002	0.002	0.035	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0192	0.0068	0.028	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00948	0.0067	0.036	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00204	0.0046	0.031	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00226	0.0023	0.027	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00278	0.00621	0.0366	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.009	0.031	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00401	0.004	0.039	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC

Pajarito 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
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0023	0.032	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.002	0.035	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0034	0.041	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00678	0.0051	0.037	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.99	—	—	0.05	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.42	—	—	0.05	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.95	—	—	0.05	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	7.6	—	—	0.05	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.99	—	—	0.05	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.48	—	—	0.25	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	7.16	—	—	0.25	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	0.0763	20.4	74.6	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	1.41	26	95	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	9.82	24	51	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	12	19	60	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.8	13	41	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-6.2	18	61	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	96.3	29	38	—	pCi/L	Y	UI	R	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	31.9	—	—	0.053	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	33.5	—	—	0.053	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.1	—	—	0.053	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	30.3	—	—	0.032	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	31.7	—	—	0.032	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	32.7	—	—	0.032	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	31.7	—	—	0.032	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	143	—	—	0.1	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	94.7	—	—	0.1	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	110	—	—	0.1	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	121	—	—	0.045	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	126	—	—	0.045	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	104	—	—	0.045	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	111	—	—	0.045	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.245	1.37	5.37	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.705	1.7	5.8	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.73	1.6	4.4	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.567	1.2	3.9	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.55	1.5	5.2	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.708	1.1	3.7	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.827	1.2	3.9	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1440	—	—	1	µS/cm	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	839	—	—	1	µS/cm	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1250	—	—	1	µS/cm	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1290	—	—	1	µS/cm	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	131	—	—	1	µS/cm	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1130	—	—	1	µS/cm	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	1110	—	—	1	µS/cm	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	576	—	—	1	µg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	283	—	—	1	µg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC

Pajarito 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
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	485	—	—	1	µg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	524	—	—	1	µg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	501	—	—	1	µg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	486	—	—	5	µg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	468	—	—	5	µg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.158	0.13	0.48	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0241	0.13	0.48	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0582	0.089	0.3	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.258	0.099	0.35	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0843	0.066	0.23	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.179	0.065	0.2	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.177	0.14	0.46	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	33.6	—	—	0.133	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	20.1	—	—	0.1	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13.9	—	—	0.1	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	14.4	—	—	0.1	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13	—	—	0.1	mg/L	Y	—	J-	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	13	—	—	0.1	mg/L	Y	—	J-	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	834	—	—	3.4	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	481	—	—	2.4	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	717	—	—	2.4	mg/L	Y	—	J	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	744	—	—	2.4	mg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	798	—	—	2.4	mg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	677	—	—	2.4	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	637	—	—	2.4	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.0425	—	—	0.035	mg/L	Y	J	J	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.079	—	—	0.033	mg/L	Y	J	J	10-3871	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.169	—	—	0.033	mg/L	Y	—	U	09-3116	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.19	—	—	0.033	mg/L	Y	—	NQ	09-3116	CAPA-09-12138	GELC
18-MW-18	12.5	05/29/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	09-2093	CAPA-09-9327	GELC
18-MW-18	12.5	05/29/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	N	0.1	—	—	0.033	mg/L	Y	U	UJ	09-2093	CAPA-09-9326	GELC
18-MW-18	12.5	03/02/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.194	—	—	0.029	mg/L	Y	—	J-	09-1064	CAPA-09-4119	GELC
18-MW-18	12.5	03/02/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	EPA:351.2	Total Kjeldahl Nitrogen	TKN	Y	0.167	—	—	0.029	mg/L	Y	—	J-	09-1064	CAPA-09-4115	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.52	—	—	0.33	mg/L	Y	—	NQ	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	2.19	—	—	0.33	mg/L	Y	—	NQ	10-3871	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.09	—	—	0.33	mg/L	Y	—	NQ	09-3116	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.11	—	—	0.33	mg/L	Y	—	NQ	09-3116	CAPA-09-12138	GELC
18-MW-18	12.5	05/29/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.68	—	—	0.33	mg/L	Y	—	U	09-2093	CAPA-09-9326	GELC
18-MW-18	12.5	05/29/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1.58	—	—	0.33	mg/L	Y	—	U	09-2093	CAPA-09-9327	GELC
18-MW-18	12.5	03/02/09	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.41	—	—	0.33	mg/L	Y	—	NQ	09-1064	CAPA-09-4115	GELC
18-MW-18	12.5	03/02/09	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.36	—	—	0.33	mg/L	Y	—	NQ	09-1064	CAPA-09-4119	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0532	—	—	0.017	mg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.063	—	—	0.015	mg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.077	—	—	0.015	mg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.048	—	—	0.015	mg/L	Y	J	U	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.032	—	—	0.015	mg/L	Y	J	U	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.064	—	—	0.024	mg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC

Pajarito 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
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.06	—	—	0.024	mg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	04/30/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.597	—	—	0.067	µg/L	Y	—	NQ	12-1254	CAPA-12-13288	GELC
18-MW-18	12.5	07/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.252	—	—	0.05	µg/L	Y	—	NQ	10-3872	CAPA-10-24037	GELC
18-MW-18	12.5	09/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	1.18	—	—	0.05	µg/L	Y	—	NQ	09-3117	CAPA-09-12141	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.42	—	—	0.05	µg/L	Y	—	NQ	09-2094	CAPA-09-9329	GELC
18-MW-18	12.5	05/29/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.445	—	—	0.05	µg/L	Y	—	NQ	09-2094	CAPA-09-9331	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.21	—	—	0.05	µg/L	Y	—	NQ	09-1065	CAPA-09-4120	GELC
18-MW-18	12.5	03/02/09	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.22	—	—	0.05	µg/L	Y	—	NQ	09-1065	CAPA-09-4116	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.339	0.0348	0.0558	—	pCi/L	Y	—	NQ	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.132	0.021	0.075	—	pCi/L	Y	—	NQ	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.905	0.081	0.096	—	pCi/L	Y	—	NQ	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.826	0.076	0.1	—	pCi/L	Y	—	NQ	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.122	0.018	0.076	—	pCi/L	Y	—	NQ	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.139	0.019	0.072	—	pCi/L	Y	—	NQ	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	N	0.155	0.031	0.16	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0103	0.00906	0.0399	—	pCi/L	Y	U	U	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0161	0.0086	0.036	—	pCi/L	Y	U	U	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0316	0.012	0.052	—	pCi/L	Y	U	U	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0292	0.012	0.048	—	pCi/L	Y	U	U	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00269	0.0047	0.04	—	pCi/L	Y	U	U	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00759	0.0057	0.037	—	pCi/L	Y	U	U	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.013	0.082	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
18-MW-18	12.5	04/30/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.221	0.0273	0.0282	—	pCi/L	Y	—	NQ	12-1254	CAPA-12-13278	GELC
18-MW-18	12.5	07/26/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.019	0.046	—	pCi/L	Y	—	NQ	10-3872	CAPA-10-24036	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.528	0.054	0.052	—	pCi/L	Y	—	NQ	09-3118	CAPA-09-12142	GELC
18-MW-18	12.5	09/02/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.499	0.051	0.048	—	pCi/L	Y	—	NQ	09-3118	CAPA-09-12138	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0674	0.013	0.042	—	pCi/L	Y	—	NQ	08-1930	CAPA-08-14960	GELC
18-MW-18	12.5	09/12/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0511	0.013	0.04	—	pCi/L	Y	—	NQ	08-1930	CAPA-08-14955	GELC
18-MW-18	12.5	06/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0931	0.024	0.097	—	pCi/L	Y	U	U	08-1314	CAPA-08-13099	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.7	—	—	0.01	SU	Y	H	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	6.88	—	—	0.01	SU	Y	H	J-	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	J-	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.13	—	—	0.01	SU	Y	H	J-	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.36	—	—	0.01	SU	Y	H	J-	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	52.1	—	—	0.725	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	78.9	—	—	0.73	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.3	—	—	0.73	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	84.8	—	—	0.73	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	83.2	—	—	0.73	mg/L	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	72.2	—	—	68	µg/L	Y	J	J	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	Y	749	—	—	68	µg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	UE	U	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Aluminum	Al	N	200	—	—	68	µg/L	Y	U	U	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	273	—	—	1	µg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	307	—	—	1	µg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	431	—	—	1	µg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	328	—	—	1	µg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC

Pajarito 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
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	219	—	—	1	µg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	18.2	—	—	15	µg/L	Y	J	J	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	22.6	—	—	15	µg/L	Y	J	J	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	31.2	—	—	15	µg/L	Y	J	J	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	24.9	—	—	15	µg/L	Y	J	J	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	20.7	—	—	10	µg/L	Y	J	J	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.0909	—	—	0.067	mg/L	Y	J	J	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.066	mg/L	Y	U	U	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.129	—	—	0.066	mg/L	Y	J	J	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	Y	0.085	—	—	0.067	mg/L	Y	J	J	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Bromide	Br(-1)	N	0.2	—	—	0.067	mg/L	Y	U	U	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	46.2	—	—	0.05	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	58.5	—	—	0.05	mg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	67.2	—	—	0.05	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	63	—	—	0.05	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	37.9	—	—	0.03	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	128	—	—	0.67	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	183	—	—	6.6	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	203	—	—	1.3	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	98.3	—	—	0.66	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	129	—	—	0.66	mg/L	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.113	—	—	0.033	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.143	—	—	0.033	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.151	—	—	0.033	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.159	—	—	0.033	mg/L	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	177	—	—	0.453	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	221	—	—	0.45	mg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	252	—	—	0.35	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	232	—	—	0.35	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	142	—	—	0.35	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	14.9	—	—	0.11	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	18.1	—	—	0.11	mg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	20.4	—	—	0.085	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	18	—	—	0.085	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	11.4	—	—	0.085	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.539	—	—	0.165	µg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.455	—	—	0.17	µg/L	Y	J	U	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	0.823	—	—	0.1	µg/L	Y	—	U	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.362	—	—	0.1	µg/L	Y	J	J	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1	—	—	0.1	µg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.62	—	—	0.5	µg/L	Y	J	J	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.11	—	—	0.5	µg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.87	—	—	0.5	µg/L	Y	J	J	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.51	—	—	0.5	µg/L	Y	J	J	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.9	—	—	0.5	µg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.371	—	—	0.05	µg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.461	—	—	0.05	µg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC

Pajarito 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
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.285	—	—	0.05	µg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.135	—	—	0.05	µg/L	Y	J	J	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.113	—	—	0.05	µg/L	Y	J	J	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	5.99	—	—	0.05	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.66	—	—	0.05	mg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	8.31	—	—	0.05	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	7.2	—	—	0.05	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	6.23	—	—	0.05	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	40.5	—	—	0.053	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	44.1	—	—	0.053	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	34.8	—	—	0.053	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	37.2	—	—	0.032	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	36	—	—	0.032	mg/L	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	31.2	—	—	0.1	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	40.5	—	—	0.1	mg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	54.6	—	—	0.1	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	69.9	—	—	0.1	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	37	—	—	0.045	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	569	—	—	1	µS/cm	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	843	—	—	1	µS/cm	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	876	—	—	1	µS/cm	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	534	—	—	1	µS/cm	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	620	—	—	1	µS/cm	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	358	—	—	1	µg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	414	—	—	1	µg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	501	—	—	1	µg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	457	—	—	1	µg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	281	—	—	1	µg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	16.1	—	—	0.133	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	25.3	—	—	0.1	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	24.9	—	—	0.1	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	10.8	—	—	0.1	mg/L	Y	—	J-	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	12.4	—	—	0.1	mg/L	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	351	—	—	3.4	mg/L	Y	—	NQ	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	592	—	—	2.4	mg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	604	—	—	2.4	mg/L	Y	—	NQ	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	334	—	—	2.4	mg/L	Y	—	NQ	08-1970	CAPA-08-15003	GELC
PCAO-8	9.7	06/24/08	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	396	—	—	2.4	mg/L	Y	—	NQ	08-1462	CAPA-08-13130	GELC
PCAO-8	9.7	04/27/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.06	—	—	3.3	µg/L	Y	J	J	12-1253	CAPA-12-13290	GELC
PCAO-8	9.7	04/25/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	12.7	—	—	3.3	µg/L	Y	—	NQ	11-2171	CAPA-11-9553	GELC
PCAO-8	9.7	10/23/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	15.1	—	—	3.3	µg/L	Y	—	NQ	11-249	CAPA-10-27431	GELC
PCAO-8	9.7	06/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-3343	CAPA-10-17778	GELC
PCAO-8	9.7	09/17/08	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	18.2	—	—	2	µg/L	Y	*	J	08-1970	CAPA-08-15003	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.44	—	—	0.01	SU	Y	H	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.81	—	—	0.01	SU	Y	H	J-	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.69	—	—	0.01	SU	Y	H	J-	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.46	—	—	0.01	SU	Y	H	J-	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.71	—	—	0.01	SU	Y	H	J-	10-3957	CAPA-10-24133	GELC

Pajarito 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
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.55	—	—	0.01	SU	Y	H	J-	10-3957	CAPA-10-24135	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.6	—	—	0.725	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.6	—	—	0.73	mg/L	Y	—	NQ	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	52.9	—	—	0.73	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49	—	—	0.73	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48	—	—	0.73	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	48	—	—	0.73	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0	0.0212	0.0959	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0152	0.011	0.042	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00662	0.0046	0.041	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00578	0.003	0.021	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00765	0.0038	0.026	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00285	0.003	0.036	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0039	0.0026	0.031	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0403	—	—	0.017	mg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.046	—	—	0.016	mg/L	Y	J	J-	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0182	—	—	0.016	mg/L	Y	J	J-	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	4.56	—	—	1	µg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	4.27	—	—	1	µg/L	Y	J	J	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	5.52	—	—	1	µg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	4.67	—	—	1	µg/L	Y	J	J	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	4.79	—	—	1	µg/L	Y	J	J	10-3957	CAPA-10-24133	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	5.42	—	—	1	µg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	6.17	—	—	1	µg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.89	—	—	0.05	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.91	—	—	0.05	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.11	—	—	0.05	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.19	—	—	0.05	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.4	—	—	0.05	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.89	—	—	0.05	mg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.36	—	—	0.05	mg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.85	1.67	6.43	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0193	1.2	3.9	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.476	1.3	4.1	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	-3.84	1.9	6.2	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.598	1.2	3.9	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.697	0.6	1.9	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-4.19	1.5	4.4	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.45	—	—	0.067	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.4	—	—	0.066	mg/L	Y	—	NQ	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.48	—	—	0.066	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.45	—	—	0.066	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.48	—	—	0.066	mg/L	Y	—	J+	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.69	—	—	0.066	mg/L	Y	—	J+	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	3.13	1.57	6.88	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC

Pajarito 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
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.655	1.4	4.6	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.0235	1.3	4.2	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.15	1.5	5.5	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.125	1.3	4.1	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.08	0.68	2.4	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.913	1.1	3.9	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.205	—	—	0.033	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.188	—	—	0.033	mg/L	Y	—	NQ	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.215	—	—	0.033	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.171	—	—	0.033	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.217	—	—	0.033	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.226	—	—	0.033	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.13	0.861	2.98	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.96	0.88	2.2	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.572	0.57	2.2	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.588	0.65	2.4	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.56	0.58	2.1	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.349	0.69	2.7	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.376	0.67	2.7	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.0664	0.574	2.23	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	1.68	0.85	2.6	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.693	0.71	2.5	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.185	0.7	2.4	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	0.553	0.85	2.9	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.0773	0.65	2.5	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.3	0.74	2.4	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.4	—	—	0.453	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.4	—	—	0.45	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.2	—	—	0.35	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	28.8	—	—	0.35	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	29.6	—	—	0.35	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	29.6	—	—	0.35	mg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	31.5	—	—	0.35	mg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	33.2	—	—	30	µg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-3957	CAPA-10-24135	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-3331	CAPA-10-17848	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-3331	CAPA-10-17851	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.23	—	—	0.11	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.23	—	—	0.11	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.3	—	—	0.085	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.03	—	—	0.085	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.09	—	—	0.085	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.27	—	—	0.085	mg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.12	—	—	0.085	mg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.165	µg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC

Pajarito 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
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.898	—	—	0.17	µg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.06	—	—	0.1	µg/L	Y	—	J	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.829	—	—	0.1	µg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.832	—	—	0.1	µg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.881	—	—	0.1	µg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.859	—	—	0.1	µg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.94	2.69	9.9	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.78	2.5	8.6	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.997	2.4	7	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	4.08	3.1	11	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.45	2.8	9.2	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.58	4.6	14	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	18.2	9.3	32	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.155	—	—	0.085	mg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.14	—	—	0.05	mg/L	Y	J	J	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.067	—	—	0.01	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.117	—	—	0.05	mg/L	Y	J	J	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	735	—	—	5	mg/L	Y	—	R	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	810	—	—	25	mg/L	Y	—	R	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.181	—	—	0.05	µg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.169	—	—	0.05	µg/L	Y	J	J	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.183	—	—	0.05	µg/L	Y	J	J	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.177	—	—	0.05	µg/L	Y	J	J	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.184	—	—	0.05	µg/L	Y	J	J	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.172	—	—	0.05	µg/L	Y	J	J	10-3957	CAPA-10-24135	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00272	0.00472	0.0423	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00222	0.0031	0.02	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00256	0.0036	0.023	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00649	0.0048	0.033	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0152	0.0084	0.025	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00907	0.0099	0.042	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0019	0.028	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00545	0.00545	0.0359	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00512	0.0051	0.037	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00665	0.0044	0.032	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00433	0.0061	0.03	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0101	0.0042	0.023	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00113	0.0037	0.029	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00192	0.0027	0.03	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.317	—	—	0.05	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.298	—	—	0.05	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.323	—	—	0.05	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	0.32	—	—	0.05	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.372	—	—	0.05	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	0.375	—	—	0.05	mg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.328	—	—	0.05	mg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-30.2	16.4	59.2	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.4	18	64	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC

Pajarito 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
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	31.4	19	43	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	42.5	15	63	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-30.4	23	69	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23	9.8	26	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	27.5	14	54	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.5	—	—	0.053	mg/L	Y	—	NQ	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68.3	—	—	0.053	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.5	—	—	0.053	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.7	—	—	0.053	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	12.3	—	—	0.1	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.5	—	—	0.1	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	12	—	—	0.1	mg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.3	—	—	0.1	mg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.2	1.22	4.75	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	0.282	1.1	3.7	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.411	1.3	4.1	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	1.08	1.6	5.8	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.789	1.3	4.5	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.368	0.59	1.8	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.391	0.95	3.3	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108	—	—	1	µS/cm	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104	—	—	1	µS/cm	Y	—	NQ	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	µS/cm	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	106	—	—	1	µS/cm	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	104	—	—	1	µS/cm	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	101	—	—	1	µS/cm	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	48.2	—	—	1	µg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.6	—	—	1	µg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50	—	—	1	µg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.1	—	—	1	µg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.1	—	—	1	µg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.9	—	—	1	µg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	47.8	—	—	1	µg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.25	0.147	0.485	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.153	0.14	0.49	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.189	0.11	0.49	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.167	0.12	0.49	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.214	0.13	0.44	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.294	0.11	0.47	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.318	0.11	0.43	—	pCi/L	Y	U	U	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.7	—	—	0.133	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.58	—	—	0.1	mg/L	Y	—	J+	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.73	—	—	0.1	mg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC

Pajarito 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
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	N	1.67	—	—	0.1	mg/L	Y	—	U	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.66	—	—	0.1	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.67	—	—	0.1	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	123	—	—	3.4	mg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	3.4	mg/L	Y	—	NQ	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	134	—	—	2.4	mg/L	Y	—	J	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	2.4	mg/L	Y	—	NQ	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	118	—	—	2.4	mg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	127	—	—	2.4	mg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.361	—	—	0.33	mg/L	Y	J	J-	12-1241	CAPA-12-13281	GELC
PCI-2	512	07/22/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2911	CAPA-11-22851	GELC
PCI-2	512	05/06/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.567	—	—	0.33	mg/L	Y	J	J	11-2336	CAPA-11-9283	GELC
PCI-2	512	10/11/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	0.656	—	—	0.33	mg/L	Y	J	U	11-108	CAPA-10-26957	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.904	—	—	0.33	mg/L	Y	J	J	10-3956	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.852	—	—	0.33	mg/L	Y	J	J	10-3956	CAPA-10-24132	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0492	—	—	0.017	mg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	07/22/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.204	—	—	0.015	mg/L	Y	—	J	11-2911	CAPA-11-22853	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0325	—	—	0.015	mg/L	Y	J	U	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.038	—	—	0.015	mg/L	Y	J	U	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.04	—	—	0.015	mg/L	Y	J	U	10-3957	CAPA-10-24135	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.366	—	—	0.067	µg/L	Y	—	NQ	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.352	—	—	0.067	µg/L	Y	—	NQ	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.332	—	—	0.05	µg/L	Y	—	U	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.383	—	—	0.05	µg/L	Y	—	NQ	10-3957	CAPA-10-24133	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.377	—	—	0.05	µg/L	Y	—	NQ	10-3957	CAPA-10-24135	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.285	—	—	0.05	µg/L	Y	—	NQ	10-3331	CAPA-10-17848	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.29	—	—	0.05	µg/L	Y	—	NQ	10-3331	CAPA-10-17851	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.147	0.0333	0.105	—	pCi/L	Y	—	NQ	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.183	0.03	0.11	—	pCi/L	Y	—	NQ	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.229	0.039	0.12	—	pCi/L	Y	—	NQ	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.153	0.023	0.058	—	pCi/L	Y	—	NQ	10-3330	CAPA-10-17852	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.151	0.026	0.071	—	pCi/L	Y	—	NQ	10-3330	CAPA-10-17850	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.21	0.031	0.055	—	pCi/L	Y	—	NQ	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.374	0.037	0.058	—	pCi/L	Y	—	NQ	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.00712	0.0743	—	pCi/L	Y	U	U	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0105	0.011	0.058	—	pCi/L	Y	U	U	10-3958	CAPA-10-24132	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00965	0.0069	0.053	—	pCi/L	Y	U	U	10-3958	CAPA-10-24136	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0161	0.0081	0.048	—	pCi/L	Y	U	U	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0131	0.0066	0.039	—	pCi/L	Y	U	U	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00773	0.0055	0.043	—	pCi/L	Y	U	U	10-2226	CAPA-10-12892	GELC
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	Y	0.0391	0.0096	0.03	—	pCi/L	Y	—	NQ	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0921	0.0257	0.0524	—	pCi/L	Y	—	NQ	12-1241	CAPA-12-13281	GELC
PCI-2	512	08/02/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.14	0.026	0.068	—	pCi/L	Y	—	NQ	10-3958	CAPA-10-24136	GELC
PCI-2	512	08/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.029	0.074	—	pCi/L	Y	—	NQ	10-3958	CAPA-10-24132	GELC
PCI-2	512	06/07/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0944	0.02	0.053	—	pCi/L	Y	—	NQ	10-3330	CAPA-10-17850	GELC
PCI-2	512	06/07/10	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.111	0.02	0.043	—	pCi/L	Y	—	NQ	10-3330	CAPA-10-17852	GELC
PCI-2	512	03/01/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.11	0.021	0.039	—	pCi/L	Y	—	NQ	10-2226	CAPA-10-12892	GELC

Pajarito 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
PCI-2	512	12/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.297	0.031	0.036	—	pCi/L	Y	—	NQ	10-938	CAPA-10-6784	GELC
PCI-2	512	04/24/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.38	—	—	1	µg/L	Y	J	J	12-1241	CAPA-12-13291	GELC
PCI-2	512	05/06/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.58	—	—	1	µg/L	Y	J	J	11-2336	CAPA-11-9284	GELC
PCI-2	512	10/11/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.61	—	—	1	µg/L	Y	J	J	11-108	CAPA-10-26959	GELC
PCI-2	512	08/02/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.16	—	—	1	µg/L	Y	J	J	10-3957	CAPA-10-24135	GELC
PCI-2	512	08/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.21	—	—	1	µg/L	Y	J	J	10-3957	CAPA-10-24133	GELC
PCI-2	512	06/07/10	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.2	—	—	1	µg/L	Y	J	J	10-3331	CAPA-10-17851	GELC
PCI-2	512	06/07/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.78	—	—	1	µg/L	Y	J	J	10-3331	CAPA-10-17848	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.01	—	—	0.01	SU	Y	H	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.94	—	—	0.01	SU	Y	H	J-	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.85	—	—	0.01	SU	Y	H	J-	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	J-	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.4	—	—	0.725	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	55.9	—	—	0.725	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58	—	—	0.73	mg/L	Y	—	NQ	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.4	—	—	0.73	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.9	—	—	0.73	mg/L	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.1	—	—	0.73	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0181	0.0113	0.0723	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00715	0.0104	0.0571	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00391	0.0052	0.037	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0177	0.0064	0.026	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000458	0.0034	0.043	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00293	0.0048	0.026	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.8	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.4	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	29.9	—	—	1	µg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	39.4	—	—	1	µg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.5	—	—	1	µg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	37.1	—	—	1	µg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.2	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.8	—	—	0.05	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10	—	—	0.05	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.82	—	—	0.05	mg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.81	—	—	0.05	mg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.04	1.59	5.4	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.71	1.78	6.98	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-2.31	1.6	4.5	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.517	1.2	4	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.593	1.1	3.6	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.62	1.5	4.2	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.067	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.94	—	—	0.067	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.92	—	—	0.066	mg/L	Y	—	NQ	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.74	—	—	0.066	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC

Pajarito 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-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.85	—	—	0.066	mg/L	Y	—	J	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.92	—	—	0.066	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.31	—	—	2	µg/L	Y	J	J	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.78	—	—	2	µg/L	Y	J	J	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.71	—	—	2	µg/L	Y	J	J	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.02	—	—	2.5	µg/L	Y	J	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.7	—	—	2.5	µg/L	Y	J	J	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.48	1.5	6.24	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.75	1.81	7.5	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.92	1.2	4.3	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.329	1.1	3.8	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.191	1.1	3.6	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.613	1.3	4.2	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.211	—	—	0.033	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.221	—	—	0.033	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.196	—	—	0.033	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.173	—	—	0.033	mg/L	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.23	—	—	0.033	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.602	0.571	2.09	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:900	Gross alpha	GROSSA	N	0.129	0.46	2	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.06	0.73	2.4	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.22	0.95	2.4	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/18/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.623	0.425	1.28	—	pCi/L	Y	U	U	194131	GU07080GR17101	GELC
R-17 S1	1057	07/03/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.114	0.495	2.24	—	pCi/L	Y	U	U	189079	GU07060GR17101	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.914	0.753	2.54	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:900	Gross beta	GROSSB	N	2.46	0.939	2.97	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.4	0.75	2.2	—	pCi/L	Y	—	NQ	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.45	0.71	2.2	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/18/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.75	0.912	2.92	—	pCi/L	Y	U	U	194131	GU07080GR17101	GELC
R-17 S1	1057	07/03/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	1.73	0.522	1.61	—	pCi/L	Y	—	J	189079	GU07060GR17101	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.1	—	—	0.453	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.4	—	—	0.453	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	33.7	—	—	0.45	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.7	—	—	0.35	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.4	—	—	0.35	mg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	36.3	—	—	0.35	mg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	67.8	—	—	30	µg/L	Y	J	J	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Iron	Fe	Y	66.9	—	—	30	µg/L	Y	J	J	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	Y	55.5	—	—	30	µg/L	Y	J	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Iron	Fe	N	100	—	—	30	µg/L	Y	U	U	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.05	—	—	0.11	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.98	—	—	0.11	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.84	—	—	0.11	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.83	—	—	0.085	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC

Pajarito 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-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.89	—	—	0.085	mg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.87	—	—	0.085	mg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.2	—	—	0.165	µg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.165	µg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.09	—	—	0.17	µg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.54	—	—	0.1	µg/L	Y	—	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.24	—	—	0.1	µg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.22	—	—	0.1	µg/L	Y	—	U	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.7	3.04	11.2	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.23	3.34	12	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.00379	2.8	9.4	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-15.9	11	34	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.05	8	25	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-15.1	10	33	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.69	—	—	0.5	µg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	2.84	—	—	0.5	µg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.667	—	—	0.5	µg/L	Y	J	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.895	—	—	0.5	µg/L	Y	J	J	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.01	—	—	0.5	µg/L	Y	J	J	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.297	—	—	0.17	mg/L	Y	J	J	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.248	—	—	0.085	mg/L	Y	J	J	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.238	—	—	0.05	mg/L	Y	J	J-	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.281	—	—	0.1	mg/L	Y	J	J	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.183	—	—	0.05	mg/L	Y	J	J	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.338	—	—	0.05	mg/L	Y	—	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.268	—	—	0.05	µg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.268	—	—	0.05	µg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.244	—	—	0.05	µg/L	Y	—	NQ	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.259	—	—	0.05	µg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.278	—	—	0.05	µg/L	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.241	—	—	0.05	µg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0106	0.0106	0.0413	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.00946	0.0465	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00435	0.0053	0.019	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0209	0.0067	0.036	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0045	0.0039	0.038	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.73E-10	0.0041	0.044	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00299	0.00299	0.0394	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00266	0.0046	0.035	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00652	0.0058	0.032	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.49E-10	0.0042	0.025	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00675	0.0068	0.036	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	3.45E-10	0.0058	0.05	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Potassium	K	Y	1.6	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.48	—	—	0.05	mg/L	Y	—	J	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC

Pajarito 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-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.49	—	—	0.05	mg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.53	—	—	0.05	mg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.93	20.1	75.5	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Potassium-40	K-40	N	-29.3	20.7	77.2	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-12.7	21	67	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-1.49	16	54	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-13.2	17	42	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.3	23	26	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.3	—	—	0.053	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.2	—	—	0.053	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.3	—	—	0.053	mg/L	Y	—	NQ	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	74.4	—	—	0.053	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	79.6	—	—	0.053	mg/L	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72	—	—	0.053	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.9	—	—	0.1	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.4	—	—	0.1	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.6	—	—	0.1	mg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.8	—	—	0.1	mg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	3.94	1.65	7.28	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.81	1.69	5.77	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.866	1.8	5.5	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.766	0.99	3.6	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.0164	0.93	3.1	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.522	1.4	4.9	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	124	—	—	1	µS/cm	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	119	—	—	1	µS/cm	Y	—	NQ	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	114	—	—	1	µS/cm	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	122	—	—	1	µS/cm	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	125	—	—	1	µS/cm	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.7	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.3	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	41.1	—	—	1	µg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.5	—	—	1	µg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	42.9	—	—	1	µg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	42.8	—	—	1	µg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.184	0.127	0.452	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0486	0.127	0.434	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0185	0.13	0.48	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0556	0.14	0.54	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	0.573	0.15	0.4	—	pCi/L	Y	—	NQ	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/11/09	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.063	0.13	0.49	—	pCi/L	N	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0085	0.07	0.24	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.94	—	—	0.133	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.03	—	—	0.133	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.97	—	—	0.1	mg/L	Y	—	NQ	11-2953	CAPA-11-22872	GELC

Pajarito 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-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.86	—	—	0.1	mg/L	Y	—	J+	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.02	—	—	0.1	mg/L	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.13	—	—	0.1	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	3.4	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	70	—	—	3.4	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	3.4	mg/L	Y	—	J	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	2.4	mg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	136	—	—	2.4	mg/L	Y	—	NQ	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	2.4	mg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.54	—	—	0.33	mg/L	Y	J	J	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.442	—	—	0.33	mg/L	Y	J	J	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	07/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2953	CAPA-11-22871	GELC
R-17 S1	1057	04/27/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2212	CAPA-11-9288	GELC
R-17 S1	1057	01/20/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.753	—	—	0.33	mg/L	Y	J	J	11-1160	CAPA-11-2982	GELC
R-17 S1	1057	10/22/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.351	—	—	0.33	mg/L	Y	J	J	11-242	CAPA-10-26961	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0663	—	—	0.017	mg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.102	—	—	0.017	mg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0549	—	—	0.015	mg/L	Y	—	U	11-2953	CAPA-11-22872	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0551	—	—	0.015	mg/L	Y	—	U	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.024	—	—	0.015	mg/L	Y	J	U	11-1160	CAPA-11-2983	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.065	—	—	0.015	mg/L	Y	—	U	11-243	CAPA-10-26962	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.509	—	—	0.067	µg/L	Y	—	NQ	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6020	Uranium	U	Y	0.493	—	—	0.067	µg/L	Y	—	NQ	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.44	—	—	0.067	µg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.502	—	—	0.05	µg/L	Y	—	NQ	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.63	—	—	0.05	µg/L	Y	—	NQ	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.49	—	—	0.05	µg/L	Y	—	NQ	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.27	0.0369	0.0832	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.291	0.0364	0.0644	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.362	0.045	0.1	—	pCi/L	Y	—	NQ	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.414	0.044	0.045	—	pCi/L	Y	—	NQ	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.371	0.043	0.11	—	pCi/L	Y	—	NQ	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.371	0.053	0.15	—	pCi/L	Y	—	NQ	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0119	0.0104	0.046	—	pCi/L	Y	U	U	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00565	0.00565	0.059	—	pCi/L	Y	U	U	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.013	0.0075	0.048	—	pCi/L	Y	U	U	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00937	0.0055	0.035	—	pCi/L	Y	U	U	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00369	0.0098	0.054	—	pCi/L	Y	U	U	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00552	0.017	0.082	—	pCi/L	Y	U	U	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.173	0.0265	0.0325	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13282	GELC
R-17 S1	1057	05/02/12	WG	UF	INIT	FD	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.155	0.0274	0.0416	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13307	GELC
R-17 S1	1057	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.168	0.028	0.061	—	pCi/L	Y	—	NQ	10-4002	CAPA-10-24093	GELC
R-17 S1	1057	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.197	0.027	0.032	—	pCi/L	Y	—	NQ	10-2375	CAPA-10-12798	GELC
R-17 S1	1057	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.188	0.028	0.065	—	pCi/L	Y	—	NQ	09-3206	CAPA-09-12163	GELC
R-17 S1	1057	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.201	0.036	0.08	—	pCi/L	Y	—	NQ	08-1878	CAPA-08-15034	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.9	—	—	1	µg/L	Y	J	J	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.72	—	—	1	µg/L	Y	—	NQ	11-2212	CAPA-11-9287	GELC

Pajarito 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-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.62	—	—	1	µg/L	Y	J	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.9	—	—	1	µg/L	Y	J	J	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.69	—	—	1	µg/L	Y	J	J	10-2375	CAPA-10-12797	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.55	—	—	3.3	µg/L	Y	J	J	12-1274	CAPA-12-13292	GELC
R-17 S1	1057	05/02/12	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	12-1274	CAPA-12-13308	GELC
R-17 S1	1057	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2212	CAPA-11-9287	GELC
R-17 S1	1057	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	8.09	—	—	3.3	µg/L	Y	J	J	11-243	CAPA-10-26962	GELC
R-17 S1	1057	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	10-3404	CAPA-10-17589	GELC
R-17 S1	1057	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	3.31	—	—	3.3	µg/L	Y	J	J	10-2375	CAPA-10-12797	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.89	—	—	0.01	SU	Y	H	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	J-	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.86	—	—	0.01	SU	Y	H	J-	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	J-	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	52.3	—	—	0.725	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.3	—	—	0.73	mg/L	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.5	—	—	0.73	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	54.3	—	—	0.73	mg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	53.8	—	—	0.73	mg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.1	—	—	0.73	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00563	0.0154	0.0675	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00424	0.0028	0.039	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000393	0.0026	0.025	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00186	0.0024	0.042	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.000239	0.0032	0.031	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	30.9	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	38.1	—	—	1	µg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32.1	—	—	1	µg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.1	—	—	1	µg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	31.4	—	—	1	µg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.12	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.1	—	—	0.05	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.01	—	—	0.05	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.04	—	—	0.05	mg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.07	—	—	0.05	mg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	4.58	1.78	7.35	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.29	1.6	5.5	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.13	1.4	4.1	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.03	1.3	3.5	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.8	1.5	4.3	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.7	—	—	0.067	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.67	—	—	0.066	mg/L	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2	—	—	0.066	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.62	—	—	0.066	mg/L	Y	—	J	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.6	—	—	0.066	mg/L	Y	—	J	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.67	—	—	0.066	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.99	—	—	2	µg/L	Y	J	J	12-1274	CAPA-12-13293	GELC

Pajarito 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-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.41	—	—	2.5	µg/L	Y	J	J	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	5.1	—	—	2.5	µg/L	Y	J	J	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2.5	µg/L	Y	U	U	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.27	1.72	6.72	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.33	1.8	5.5	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.46	1.2	3	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.109	1.2	4	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.18	1.5	4.4	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.188	—	—	0.033	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.177	—	—	0.033	mg/L	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.227	—	—	0.033	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.186	—	—	0.033	mg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.162	—	—	0.033	mg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.18	—	—	0.033	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.11	0.874	2.25	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.685	0.72	2.6	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.938	0.68	2.2	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/18/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.421	0.354	1.14	—	pCi/L	Y	U	U	194131	GU07080GR17201	GELC
R-17 S2	1124	07/03/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.15	0.857	2.91	—	pCi/L	Y	U	U	189079	GU07060GR17201	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.83	0.874	2.69	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.1	0.77	2.3	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.55	1.3	3.8	—	pCi/L	Y	—	NQ	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/18/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.23	1.05	3.11	—	pCi/L	Y	—	J	194131	GU07080GR17201	GELC
R-17 S2	1124	07/03/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.65	0.556	1.58	—	pCi/L	Y	—	J	189079	GU07060GR17201	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	35.2	—	—	0.453	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	37.3	—	—	0.45	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.2	—	—	0.35	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.8	—	—	0.35	mg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.9	—	—	0.35	mg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.03	—	—	0.11	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.92	—	—	0.11	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.85	—	—	0.085	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.97	—	—	0.085	mg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.97	—	—	0.085	mg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.165	µg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.23	—	—	0.17	µg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.48	—	—	0.1	µg/L	Y	—	J	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.17	—	—	0.1	µg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.15	—	—	0.1	µg/L	Y	—	U	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.141	3.33	11.8	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.58	3.1	10	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-3.47	9.6	31	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	19.7	9.7	31	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	17.3	9.7	33	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.776	—	—	0.5	µg/L	Y	J	J	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	1.39	—	—	0.5	µg/L	Y	J	J	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-243	CAPA-10-26964	GELC

Pajarito 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-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.472	—	—	0.085	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.351	—	—	0.05	mg/L	Y	—	J-	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.147	—	—	0.1	mg/L	Y	J	J	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.299	—	—	0.05	mg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.31	—	—	0.05	mg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.395	—	—	0.05	mg/L	Y	—	J	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.286	—	—	0.05	µg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.257	—	—	0.05	µg/L	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.26	—	—	0.05	µg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.265	—	—	0.05	µg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.269	—	—	0.05	µg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.249	—	—	0.05	µg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00338	0.0122	0.0525	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00994	0.0053	0.018	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0328	0.0097	0.038	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00268	0.0038	0.045	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00677	0.0068	0.051	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00676	0.0445	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00199	0.0053	0.029	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0153	0.0073	0.026	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00535	0.0066	0.043	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0135	0.0083	0.058	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.57	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	J	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.33	—	—	0.05	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.39	—	—	0.05	mg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	2.46	—	—	0.05	mg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.91	16.7	67.5	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-28	22	73	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-23.1	16	55	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-11.6	13	42	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	34.3	15	59	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	80.6	—	—	0.053	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.3	—	—	0.053	mg/L	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.5	—	—	0.053	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	78	—	—	0.053	mg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	77.5	—	—	0.053	mg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	76.6	—	—	0.053	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	11.7	—	—	0.1	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.82	—	—	0.1	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.4	—	—	0.1	mg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.6	—	—	0.1	mg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.92	1.45	4.54	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0647	2	6.3	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.612	1.3	4.6	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC

Pajarito 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-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-1.24	1	3.1	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.803	1.3	4.7	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	115	—	—	1	µS/cm	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	111	—	—	1	µS/cm	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	123	—	—	1	µS/cm	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	µS/cm	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	114	—	—	1	µS/cm	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	113	—	—	1	µS/cm	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	43.6	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	43.7	—	—	1	µg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	42.7	—	—	1	µg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	43.1	—	—	1	µg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	43.1	—	—	1	µg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.4	0.143	0.461	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.078	0.099	0.42	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0976	0.14	0.49	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	Y	2.52	0.28	0.4	—	pCi/L	Y	—	NQ	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/11/09	WG	UF	RE	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0172	0.13	0.5	—	pCi/L	N	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.109	0.068	0.24	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.78	—	—	0.133	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.74	—	—	0.1	mg/L	Y	—	NQ	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.16	—	—	0.1	mg/L	Y	—	J+	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.74	—	—	0.1	mg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.72	—	—	0.1	mg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.78	—	—	0.1	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	3.4	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	3.4	mg/L	Y	—	J	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	2.4	mg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	133	—	—	2.4	mg/L	Y	—	NQ	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	131	—	—	2.4	mg/L	Y	—	NQ	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	132	—	—	2.4	mg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0906	—	—	0.017	mg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	07/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0519	—	—	0.015	mg/L	Y	—	U	11-2953	CAPA-11-22875	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0637	—	—	0.015	mg/L	Y	—	U	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.05	—	—	0.015	mg/L	Y	U	U	11-1157	CAPA-11-2986	GELC
R-17 S2	1124	01/20/11	WG	F	INIT	FD	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.015	—	—	0.015	mg/L	Y	J	U	11-1157	CAPA-11-2989	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.051	—	—	0.015	mg/L	Y	—	U	11-243	CAPA-10-26964	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.442	—	—	0.067	µg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.489	—	—	0.067	µg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.453	—	—	0.05	µg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.546	—	—	0.05	µg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.423	—	—	0.05	µg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.245	0.0342	0.0583	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.353	0.044	0.1	—	pCi/L	Y	—	NQ	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.31	0.036	0.044	—	pCi/L	Y	—	NQ	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.318	0.048	0.18	—	pCi/L	Y	—	J+	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.259	0.029	0.07	—	pCi/L	Y	—	NQ	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0197	0.0147	0.0417	—	pCi/L	Y	U	U	12-1274	CAPA-12-13283	GELC

Pajarito 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-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00438	0.0076	0.049	—	pCi/L	Y	U	U	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00921	0.0069	0.035	—	pCi/L	Y	U	U	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0	0.015	0.093	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00504	0.008	0.037	—	pCi/L	Y	U	U	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.108	0.0213	0.0294	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13283	GELC
R-17 S2	1124	08/04/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.145	0.026	0.062	—	pCi/L	Y	—	NQ	10-4002	CAPA-10-24097	GELC
R-17 S2	1124	03/08/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.161	0.023	0.031	—	pCi/L	Y	—	NQ	10-2375	CAPA-10-12801	GELC
R-17 S2	1124	09/11/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0867	0.025	0.11	—	pCi/L	Y	U	U	09-3206	CAPA-09-12166	GELC
R-17 S2	1124	09/09/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.137	0.02	0.037	—	pCi/L	Y	—	NQ	08-1891	CAPA-08-15035	GELC
R-17 S2	1124	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.49	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13293	GELC
R-17 S2	1124	04/27/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	5.31	—	—	1	µg/L	Y	—	NQ	11-2212	CAPA-11-9291	GELC
R-17 S2	1124	10/22/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.54	—	—	1	µg/L	Y	—	NQ	11-243	CAPA-10-26964	GELC
R-17 S2	1124	06/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.75	—	—	1	µg/L	Y	—	NQ	10-3404	CAPA-10-17590	GELC
R-17 S2	1124	03/08/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	7.56	—	—	1	µg/L	Y	—	NQ	10-2375	CAPA-10-12800	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.33	—	—	0.01	SU	Y	H	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.1	—	—	0.01	SU	Y	H	J-	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	J-	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.32	—	—	0.01	SU	Y	H	J-	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.37	—	—	0.01	SU	Y	H	J-	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.6	—	—	0.725	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	73.9	—	—	0.73	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	80.2	—	—	0.73	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	74.7	—	—	0.73	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	71.9	—	—	0.73	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0282	0.0147	0.0616	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00952	0.0064	0.041	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00299	0.0049	0.029	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00236	0.0042	0.042	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.0189	0.011	0.033	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.9	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24	—	—	1	µg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	24.1	—	—	1	µg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26	—	—	1	µg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.8	—	—	1	µg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.4	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.5	—	—	0.05	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	15.6	—	—	0.05	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	17.1	—	—	0.05	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	16.6	—	—	0.05	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.604	1.9	6.11	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-1.95	1.4	4	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.59	1.2	4.3	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.523	1.8	5.3	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.38	1.5	4.8	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.89	—	—	0.067	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.92	—	—	0.066	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.78	—	—	0.066	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.72	—	—	0.066	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC

Pajarito 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-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	2.54	—	—	0.066	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.1	—	—	2	µg/L	Y	J	J	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.45	—	—	2.5	µg/L	Y	J	J	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.06	—	—	2.5	µg/L	Y	J	J	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	4.98	—	—	2.5	µg/L	Y	J	U	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-5.35	1.52	4.89	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.561	1.5	5	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.7	1.2	4.3	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.46	1.4	5	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.76	1.4	5.5	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.572	—	—	0.033	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.567	—	—	0.033	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.503	—	—	0.033	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.518	—	—	0.033	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.488	—	—	0.033	mg/L	Y	—	J-	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.66	0.769	2.06	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.276	0.74	2.8	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.195	0.59	2.8	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	1.05	0.75	2.5	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.325	0.7	2.7	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.708	0.798	2.72	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.11	0.64	2.3	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-1.37	0.69	2.9	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.36	0.72	2.3	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.07	0.81	2.4	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53	—	—	0.453	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.5	—	—	0.45	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.6	—	—	0.35	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	55.2	—	—	0.35	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	53.7	—	—	0.35	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.94	—	—	0.11	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3	—	—	0.11	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.82	—	—	0.085	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.04	—	—	0.085	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.94	—	—	0.085	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.15	—	—	0.165	µg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.35	—	—	0.17	µg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.26	—	—	0.1	µg/L	Y	—	J	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.37	—	—	0.1	µg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.12	—	—	0.1	µg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-2.56	2.34	8.09	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.01	3	9.1	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-0.506	2.3	7.3	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-19.8	11	33	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	6.86	9.3	32	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.665	—	—	0.5	µg/L	Y	J	J	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.689	—	—	0.5	µg/L	Y	J	J	11-2407	CAPA-11-9565	GELC

Pajarito 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-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	0.593	—	—	0.5	µg/L	Y	J	U	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.51	—	—	0.5	µg/L	Y	J	J	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.386	—	—	0.085	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.321	—	—	0.05	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.365	—	—	0.05	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.349	—	—	0.05	mg/L	Y	—	J+	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.492	—	—	0.05	mg/L	Y	—	J	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.369	—	—	0.05	µg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.339	—	—	0.05	µg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.344	—	—	0.05	µg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.381	—	—	0.05	µg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.353	—	—	0.05	µg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00906	0.00675	0.0469	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.0215	0.013	0.031	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00624	0.0081	0.031	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00104	0.013	0.042	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	1.15E-09	0.0076	0.035	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00302	0.00523	0.0398	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-6.42E-10	0.0054	0.053	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0029	0.029	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00218	0.0055	0.03	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	2.88E-10	0.0048	0.038	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.01	—	—	0.05	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.983	—	—	0.05	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.05	—	—	0.05	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	0.991	—	—	0.05	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.01	—	—	0.05	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-0.388	16.4	63.1	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-34.2	18	51	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-43.3	20	50	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-46.5	15	35	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	8.52	19	65	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.8	—	—	0.053	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	68	—	—	0.053	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	66.4	—	—	0.053	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	73.7	—	—	0.053	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72.4	—	—	0.053	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.2	—	—	0.1	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.3	—	—	0.1	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	13.6	—	—	0.1	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.9	—	—	0.1	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	14.6	—	—	0.1	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.972	1.26	5.26	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.717	1.5	5.1	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.935	1.2	3.7	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.21	1.5	4	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.076	1.5	4.9	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC

Pajarito 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-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	166	—	—	1	µS/cm	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	162	—	—	1	µS/cm	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	167	—	—	1	µS/cm	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	172	—	—	1	µS/cm	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	165	—	—	1	µS/cm	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	69.3	—	—	1	µg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.2	—	—	1	µg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	67.3	—	—	1	µg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	74.2	—	—	1	µg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	71.2	—	—	1	µg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.0459	0.136	0.47	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.157	0.14	0.46	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.44	0.16	0.48	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.297	0.12	0.48	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.00852	0.11	0.39	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.35	—	—	0.133	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.56	—	—	0.1	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.27	—	—	0.1	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.22	—	—	0.1	mg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	3.27	—	—	0.1	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	149	—	—	3.4	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	145	—	—	2.4	mg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	150	—	—	2.4	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	162	—	—	2.4	mg/L	Y	—	J	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	148	—	—	2.4	mg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.433	—	—	0.33	mg/L	Y	J	J	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	05/12/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.354	—	—	0.33	mg/L	Y	J	J	11-2407	CAPA-11-9564	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.36	—	—	0.33	mg/L	Y	J	J	11-177	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.439	—	—	0.33	mg/L	Y	J	J	10-2183	CAPA-10-12794	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.0915	—	—	0.017	mg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.0489	—	—	0.015	mg/L	Y	J	U	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	Y	0.068	—	—	0.015	mg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.053	—	—	0.015	mg/L	Y	—	U	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:365.4	Total Phosphate as Phosphorus	PO4-P	N	0.057	—	—	0.015	mg/L	Y	—	U	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.277	—	—	0.067	µg/L	Y	—	NQ	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.311	—	—	0.067	µg/L	Y	—	NQ	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.279	—	—	0.05	µg/L	Y	—	NQ	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.214	—	—	0.05	µg/L	Y	—	NQ	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.301	—	—	0.05	µg/L	Y	—	NQ	10-2184	CAPA-10-12793	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.232	0.0327	0.0597	—	pCi/L	Y	—	NQ	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.227	0.031	0.05	—	pCi/L	Y	—	NQ	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.265	0.033	0.06	—	pCi/L	Y	—	NQ	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.245	0.032	0.049	—	pCi/L	Y	—	NQ	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.273	0.035	0.1	—	pCi/L	Y	—	NQ	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0175	0.00929	0.0427	—	pCi/L	Y	U	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00735	0.009	0.039	—	pCi/L	Y	U	U	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00683	0.0049	0.041	—	pCi/L	Y	U	U	10-3306	CAPA-10-17572	GELC

Pajarito 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-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0138	0.007	0.038	—	pCi/L	Y	U	U	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00385	0.0067	0.053	—	pCi/L	Y	U	U	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	N	0.0498	0.0172	0.0302	—	pCi/L	Y	—	U	12-1274	CAPA-12-13284	GELC
R-19 S2	893.3	10/15/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0863	0.018	0.03	—	pCi/L	Y	—	NQ	11-178	CAPA-10-26954	GELC
R-19 S2	893.3	06/02/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0912	0.017	0.045	—	pCi/L	Y	—	NQ	10-3306	CAPA-10-17572	GELC
R-19 S2	893.3	02/25/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.081	0.017	0.035	—	pCi/L	Y	—	NQ	10-2184	CAPA-10-12794	GELC
R-19 S2	893.3	12/03/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0778	0.018	0.064	—	pCi/L	Y	—	NQ	10-824	CAPA-10-6108	GELC
R-19 S2	893.3	05/02/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.68	—	—	1	µg/L	Y	J	J	12-1274	CAPA-12-13294	GELC
R-19 S2	893.3	05/12/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.72	—	—	1	µg/L	Y	J	J	11-2407	CAPA-11-9565	GELC
R-19 S2	893.3	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.93	—	—	1	µg/L	Y	J	J	11-178	CAPA-10-26956	GELC
R-19 S2	893.3	06/02/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	1.96	—	—	1	µg/L	Y	J	J	10-3306	CAPA-10-17573	GELC
R-19 S2	893.3	02/25/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	2.23	—	—	1	µg/L	Y	J	J	10-2184	CAPA-10-12793	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.97	—	—	0.01	SU	Y	H	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.83	—	—	0.01	SU	Y	H	J-	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.92	—	—	0.01	SU	Y	H	J-	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8.08	—	—	0.01	SU	Y	H	J-	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	J-	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.5	—	—	0.725	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	59.1	—	—	0.73	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.8	—	—	0.73	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	58.7	—	—	0.73	mg/L	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	57.6	—	—	0.73	mg/L	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00399	0.00564	0.0478	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00224	0.002	0.038	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000815	0.002	0.037	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00233	0.0042	0.025	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.00012	0.0126	0.07	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.6	—	—	1	µg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	17.8	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	27.3	—	—	1	µg/L	Y	—	J	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.2	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	18.6	—	—	1	µg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.3	—	—	0.05	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.9	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.21	—	—	0.05	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	12.1	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	11.8	—	—	0.05	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.17	1.53	5.86	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.68	1.2	4.2	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.367	1.2	3.9	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	0.557	1.2	4	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.77	1.8	4.45	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.92	—	—	0.067	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.94	—	—	0.066	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.84	—	—	0.066	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.81	—	—	0.066	mg/L	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.68	—	—	0.066	mg/L	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.36	—	—	2	µg/L	Y	J	J	12-1277	CAPA-12-13295	GELC

Pajarito 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-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.32	—	—	2	µg/L	Y	J	J	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.26	—	—	2.5	µg/L	Y	J	J	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.02	1.58	6.11	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.12	1.2	3.6	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	2.78	1.2	4.7	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.762	1.5	3.9	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.947	1.24	4.32	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.356	—	—	0.033	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.353	—	—	0.033	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.311	—	—	0.033	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.318	—	—	0.033	mg/L	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.314	—	—	0.033	mg/L	Y	—	J-	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.746	0.543	1.82	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.025	0.29	1.8	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	2.27	0.97	2.4	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.769	0.504	1.9	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	06/14/04	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.362	0.399	1.58	—	pCi/L	Y	U	U	115069	GU0406G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	1.47	0.722	2.28	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.633	0.76	2.7	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	0.975	0.65	2.1	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	3.49	0.539	1.63	—	pCi/L	Y	—	J	141551	GU0507G19R301	GELC
R-19 S3	1171.4	06/14/04	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.741	0.363	1.68	—	pCi/L	Y	U	U	115069	GU0406G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.6	—	—	0.453	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	45.1	—	—	0.45	mg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.5	—	—	0.45	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	43.2	—	—	0.45	mg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	42	—	—	0.35	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.15	—	—	0.11	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.14	—	—	0.11	mg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.79	—	—	0.11	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.14	—	—	0.11	mg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	3.03	—	—	0.085	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	3.32	—	—	2	µg/L	Y	J	J	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	8.4	—	—	2	µg/L	Y	J	J	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	10.1	—	—	2	µg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	7.45	—	—	2	µg/L	Y	J	J	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.946	—	—	0.165	µg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.946	—	—	0.17	µg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1	—	—	0.17	µg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.25	—	—	0.17	µg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	N	1.02	—	—	0.1	µg/L	Y	—	U	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	0.939	2.96	10.3	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	2.5	2.4	8.2	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-18	11	35	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-4.61	10	34	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC

Pajarito 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-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-7.83	7.39	25.3	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.546	—	—	0.5	µg/L	Y	J	J	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.697	—	—	0.5	µg/L	Y	J	J	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.96	—	—	0.5	µg/L	Y	J	J	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	Y	0.703	—	—	0.5	µg/L	Y	J	J	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Nickel	Ni	N	2	—	—	0.5	µg/L	Y	U	U	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.336	—	—	0.085	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.257	—	—	0.1	mg/L	Y	J	J	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.281	—	—	0.05	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.28	—	—	0.05	mg/L	Y	—	J+	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.306	—	—	0.05	mg/L	Y	—	J	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.248	—	—	0.05	µg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.228	—	—	0.05	µg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.242	—	—	0.05	µg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.246	—	—	0.05	µg/L	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.252	—	—	0.05	µg/L	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00269	0.00806	0.0418	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00204	0.0029	0.018	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00238	0.0024	0.04	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00183	0.0061	0.028	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.00748	0.0118	0.078	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.00658	0.0354	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00611	0.0041	0.03	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.00713	0.0053	0.039	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0128	0.0066	0.031	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.0112	0.0179	0.065	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.21	—	—	0.05	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.22	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.5	—	—	0.05	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.24	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.23	—	—	0.05	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-6.35	18.8	69.6	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.51	16	54	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	39.7	15	57	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	23.1	21	39	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	22.9	13.5	53.2	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.9	—	—	0.053	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	72.9	—	—	0.053	mg/L	Y	—	U	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	64.8	—	—	0.053	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	72	—	—	0.053	mg/L	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70	—	—	0.053	mg/L	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.2	—	—	0.1	mg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.59	—	—	0.1	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.7	—	—	0.1	mg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10	—	—	0.1	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.451	1.34	5.2	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.633	1.3	4.6	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC

Pajarito 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-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.385	1.2	4.1	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.162	1.3	4.2	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-0.25	1.62	5.02	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	129	—	—	1	µS/cm	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	132	—	—	1	µS/cm	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	134	—	—	1	µS/cm	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	127	—	—	1	µS/cm	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.6	—	—	1	µg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	54.5	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.8	—	—	1	µg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	52.5	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	51.3	—	—	1	µg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.141	0.136	0.481	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.238	0.12	0.39	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.145	0.13	0.44	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	-0.102	0.077	0.27	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0699	0.0625	0.263	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.95	—	—	0.133	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	2.03	—	—	0.1	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.91	—	—	0.1	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.88	—	—	0.1	mg/L	Y	—	NQ	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.82	—	—	0.1	mg/L	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	129	—	—	3.4	mg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	2.4	mg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	121	—	—	2.4	mg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	135	—	—	2.4	mg/L	Y	—	J	10-3306	CAPA-10-17594	GELC
R-19 S3	1171.4	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	2.4	mg/L	Y	—	NQ	10-2184	CAPA-10-12809	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.499	—	—	0.33	mg/L	Y	J	J	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	05/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2378	CAPA-11-9578	GELC
R-19 S3	1171.4	10/15/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.332	—	—	0.33	mg/L	Y	J	J	11-177	CAPA-10-27366	GELC
R-19 S3	1171.4	06/03/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	10-3306	CAPA-10-17593	GELC
R-19 S3	1171.4	02/26/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.355	—	—	0.33	mg/L	Y	J	J	10-2183	CAPA-10-12810	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.275	—	—	0.067	µg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.241	—	—	0.067	µg/L	Y	—	NQ	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.249	—	—	0.067	µg/L	Y	—	NQ	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.387	—	—	0.067	µg/L	Y	—	U	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.269	—	—	0.05	µg/L	Y	—	NQ	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.282	0.0366	0.078	—	pCi/L	Y	—	J	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.263	0.038	0.11	—	pCi/L	Y	—	NQ	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.253	0.032	0.089	—	pCi/L	Y	—	NQ	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.225	0.024	0.064	—	pCi/L	Y	—	NQ	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.304	0.0384	0.131	—	pCi/L	Y	—	J	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00158	0.00695	0.0558	—	pCi/L	Y	U	U	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.0368	0.014	0.051	—	pCi/L	Y	U	U	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0093	0.0054	0.045	—	pCi/L	Y	U	U	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00921	0.0046	0.034	—	pCi/L	Y	U	U	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0371	0.0141	0.098	—	pCi/L	Y	U	U	141551	GU0507G19R301	GELC

Pajarito 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-19 S3	1171.4	05/03/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.119	0.0233	0.0394	—	pCi/L	Y	—	J	12-1277	CAPA-12-13285	GELC
R-19 S3	1171.4	07/29/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0819	0.023	0.065	—	pCi/L	Y	—	NQ	10-3929	CAPA-10-24099	GELC
R-19 S3	1171.4	09/14/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.125	0.02	0.054	—	pCi/L	Y	—	NQ	09-3257	CAPA-09-12175	GELC
R-19 S3	1171.4	09/10/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.102	0.015	0.034	—	pCi/L	Y	—	NQ	08-1915	CAPA-08-15047	GELC
R-19 S3	1171.4	07/21/05	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0986	0.0226	0.093	—	pCi/L	Y	—	J	141551	GU0507G19R301	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.85	—	—	1	µg/L	Y	J	J	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.85	—	—	1	µg/L	Y	J	J	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	5.04	—	—	1	µg/L	Y	—	U	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	3.53	—	—	1	µg/L	Y	J	J	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.13	—	—	1	µg/L	Y	J	J	11-178	CAPA-10-27367	GELC
R-19 S3	1171.4	05/03/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	38.5	—	—	3.3	µg/L	Y	—	NQ	12-1277	CAPA-12-13295	GELC
R-19 S3	1171.4	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2900	CAPA-11-22862	GELC
R-19 S3	1171.4	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	84.5	—	—	3.3	µg/L	Y	—	J	11-2379	CAPA-11-9580	GELC
R-19 S3	1171.4	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	9.56	—	—	3.3	µg/L	Y	J	J	11-1180	CAPA-11-2967	GELC
R-19 S3	1171.4	10/15/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	5.99	—	—	3.3	µg/L	Y	J	J	11-178	CAPA-10-27367	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.96	—	—	0.01	SU	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.88	—	—	0.01	SU	Y	H	J-	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.98	—	—	0.01	SU	Y	H	J-	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	8	—	—	0.01	SU	Y	H	J-	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:150.1	Acidity or Alklalinity of a solution	pH	Y	7.9	—	—	0.01	SU	Y	H	J-	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.3	—	—	0.725	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	50.3	—	—	0.73	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.5	—	—	0.73	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	51.7	—	—	0.73	mg/L	Y	—	NQ	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:310.1	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	Y	49.5	—	—	0.73	mg/L	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00823	0.00873	0.0493	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	0.0105	0.0061	0.041	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000248	0.0026	0.047	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.00381	0.012	0.033	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	HASL-300:AM-241	Americium-241	Am-241	N	-0.000972	0.0075	0.034	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0856	—	—	0.017	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	Y	0.0217	—	—	0.016	mg/L	Y	J	J	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	U	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:350.1	Ammonia as Nitrogen	NH3-N	N	0.05	—	—	0.016	mg/L	Y	U	UJ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.4	—	—	1	µg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.6	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	32	—	—	1	µg/L	Y	—	J	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	26.9	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Barium	Ba	Y	25.7	—	—	1	µg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	30.5	—	—	15	µg/L	Y	J	J	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	Y	15	—	—	15	µg/L	Y	J	J	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Boron	B	N	50	—	—	15	µg/L	Y	U	U	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	10.5	—	—	0.05	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	9.26	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	13.4	—	—	0.05	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC

Pajarito 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-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.76	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Calcium	Ca	Y	8.73	—	—	0.05	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.0015	1.24	4.67	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	2.69	1.6	5.9	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.221	1.2	3.8	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	1.9	1.2	4.3	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cesium-137	Cs-137	N	-0.181	1.3	4.4	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.55	—	—	0.067	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.66	—	—	0.066	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.57	—	—	0.066	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.62	—	—	0.066	mg/L	Y	—	NQ	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Chloride	Cl(-1)	Y	1.45	—	—	0.066	mg/L	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	3.25	—	—	2	µg/L	Y	J	J	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	2.8	—	—	2	µg/L	Y	J	J	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	N	10	—	—	2	µg/L	Y	U	U	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Chromium	Cr	Y	4.26	—	—	2.5	µg/L	Y	J	J	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.767	0.917	4.02	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-1.7	1.4	4.1	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	1.4	1.4	5	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	-0.593	1.3	4	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Cobalt-60	Co-60	N	0.444	1.3	4.4	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.222	—	—	0.033	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.214	—	—	0.033	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.188	—	—	0.033	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.197	—	—	0.033	mg/L	Y	—	NQ	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Fluoride	F(-1)	Y	0.2	—	—	0.033	mg/L	Y	—	J-	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.387	0.593	2.42	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	-0.702	0.52	2.8	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.196	0.51	2.2	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/10/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.265	0.499	1.86	—	pCi/L	Y	U	U	193615	GU07080G19R401	GELC
R-19 S4	1410.2	06/28/07	WG	UF	INIT	REG	RAD	EPA:900	Gross alpha	GROSSA	N	0.616	0.558	2.02	—	pCi/L	Y	U	U	188990	GU07060G19R401	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.99	0.948	2.97	—	pCi/L	Y	—	J	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	4.16	1.1	2.7	—	pCi/L	Y	—	NQ	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	2.68	0.9	2.5	—	pCi/L	Y	—	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/10/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	N	-0.761	0.714	2.68	—	pCi/L	Y	U	U	193615	GU07080G19R401	GELC
R-19 S4	1410.2	06/28/07	WG	UF	INIT	REG	RAD	EPA:900	Gross beta	GROSSB	Y	2.24	0.599	1.81	—	pCi/L	Y	—	J	188990	GU07060G19R401	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	38.1	—	—	0.453	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	34.6	—	—	0.45	mg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	50.4	—	—	0.45	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.9	—	—	0.45	mg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SM:A2340B	Hardness	HARDNESS	Y	32.5	—	—	0.35	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.88	—	—	0.11	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.78	—	—	0.11	mg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	4.15	—	—	0.11	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.68	—	—	0.11	mg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Magnesium	Mg	Y	2.6	—	—	0.085	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	7.76	—	—	2	µg/L	Y	J	J	12-1287	CAPA-12-13296	GELC

Pajarito 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-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	Y	4.14	—	—	2	µg/L	Y	J	J	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Manganese	Mn	N	10	—	—	2	µg/L	Y	U	U	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.33	—	—	0.165	µg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.898	—	—	0.17	µg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	0.977	—	—	0.17	µg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.01	—	—	0.17	µg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Molybdenum	Mo	Y	1.08	—	—	0.1	µg/L	Y	—	J	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	1.21	2.45	8.98	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-1.91	3.1	10	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-5.79	11	33	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	-26	9.3	26	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Neptunium-237	Np-237	N	19.2	11	32	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.245	—	—	0.017	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.411	—	—	0.1	mg/L	Y	J	J	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	793	—	—	10	mg/L	Y	—	R	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.38	—	—	0.05	mg/L	Y	—	J+	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:353.2	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	Y	0.378	—	—	0.05	mg/L	Y	—	J	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.227	—	—	0.05	µg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.258	—	—	0.05	µg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.256	—	—	0.05	µg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.305	—	—	0.05	µg/L	Y	—	NQ	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	LCMS/MS PERCHLORATE	SW-846:6850	Perchlorate	ClO4	Y	0.272	—	—	0.05	µg/L	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0101	0.0453	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0055	0.02	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	-0.00256	0.0036	0.043	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0	0.0018	0.025	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-238	Pu-238	N	0.0079	0.0087	0.031	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0146	0.00713	0.0384	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	-0.0249	0.0093	0.033	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0	0.0026	0.041	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00526	0.0031	0.03	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOPU	Plutonium-239/240	Pu-239/240	N	0.00526	0.0065	0.043	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.65	—	—	0.05	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.57	—	—	0.05	mg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.66	—	—	0.05	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.58	—	—	0.05	mg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Potassium	K	Y	1.54	—	—	0.05	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-9.31	15	57.9	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-4.98	20	68	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	20.4	12	54	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	-3.76	15	50	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Potassium-40	K-40	N	4.44	21	47	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	67.9	—	—	0.053	mg/L	Y	—	J-	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	N	65.6	—	—	0.053	mg/L	Y	—	U	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	71.6	—	—	0.053	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	70.9	—	—	0.053	mg/L	Y	—	NQ	10-3306	CAPA-10-17600	GELC

Pajarito 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-19 S4	1410.2	02/26/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Silicon Dioxide	SiO2	Y	75.4	—	—	0.053	mg/L	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.5	—	—	0.1	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.59	—	—	0.1	mg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	10.1	—	—	0.1	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	8.78	—	—	0.1	mg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Sodium	Na	Y	9.45	—	—	0.1	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.0247	1.34	5.01	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.819	1.7	5.7	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	1.04	1.3	4.6	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	-2.39	1.3	3.3	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	EPA:901.1	Sodium-22	Na-22	N	0.324	1.4	4.7	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	111	—	—	1	µS/cm	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108	—	—	1	µS/cm	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	110	—	—	1	µS/cm	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	114	—	—	1	µS/cm	Y	—	NQ	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:120.1	Specific Conductance	SPEC_CONDC	Y	108	—	—	1	µS/cm	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	50.2	—	—	1	µg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	45.6	—	—	1	µg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	56.5	—	—	1	µg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	43.8	—	—	1	µg/L	Y	—	NQ	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Strontium	Sr	Y	44.6	—	—	1	µg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.18	0.144	0.489	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.197	0.12	0.38	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.217	0.12	0.39	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.011	0.13	0.48	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	EPA:905.0	Strontium-90	Sr-90	N	0.0921	0.12	0.43	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.25	—	—	0.133	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.67	—	—	0.1	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.53	—	—	0.1	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.48	—	—	0.1	mg/L	Y	—	NQ	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:300.0	Sulfate	SO4(-2)	Y	1.49	—	—	0.1	mg/L	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	117	—	—	3.4	mg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	114	—	—	2.4	mg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	135	—	—	2.4	mg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	06/03/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	130	—	—	2.4	mg/L	Y	—	J	10-3306	CAPA-10-17600	GELC
R-19 S4	1410.2	02/26/10	WG	F	INIT	REG	GENERAL CHEMISTRY	EPA:160.1	Total Dissolved Solids	TDS	Y	119	—	—	2.4	mg/L	Y	—	NQ	10-2184	CAPA-10-12814	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	1.71	—	—	0.33	mg/L	Y	—	NQ	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	05/10/11	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	11-2378	CAPA-11-9582	GELC
R-19 S4	1410.2	10/14/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.681	—	—	0.33	mg/L	Y	J	J	11-165	CAPA-10-27369	GELC
R-19 S4	1410.2	06/03/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	N	1	—	—	0.33	mg/L	Y	U	U	10-3306	CAPA-10-17598	GELC
R-19 S4	1410.2	02/26/10	WG	UF	INIT	REG	GENERAL CHEMISTRY	SW-846:9060	Total Organic Carbon	TOC	Y	0.465	—	—	0.33	mg/L	Y	J	J	10-2183	CAPA-10-12812	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	—	0.067	µg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.283	—	—	0.067	µg/L	Y	—	NQ	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.289	—	—	0.067	µg/L	Y	—	NQ	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	N	0.336	—	—	0.067	µg/L	Y	—	U	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6020	Uranium	U	Y	0.371	—	—	0.05	µg/L	Y	—	NQ	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.126	0.0306	0.0753	—	pCi/L	Y	—	NQ	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.265	0.038	0.11	—	pCi/L	Y	—	NQ	10-3932	CAPA-10-24102	GELC

Pajarito 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-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.196	0.03	0.11	—	pCi/L	Y	—	NQ	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.25	0.043	0.15	—	pCi/L	Y	—	NQ	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-234	U-234	Y	0.271	0.029	0.072	—	pCi/L	Y	—	NQ	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0124	0.0102	0.0538	—	pCi/L	Y	U	U	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	-0.00484	0.0084	0.054	—	pCi/L	Y	U	U	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.00385	0.0067	0.056	—	pCi/L	Y	U	U	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.011	0.019	0.082	—	pCi/L	Y	U	U	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-235/236	U-235/236	N	0.0149	0.0061	0.037	—	pCi/L	Y	U	U	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.0894	0.0204	0.038	—	pCi/L	Y	—	NQ	12-1287	CAPA-12-13286	GELC
R-19 S4	1410.2	07/30/10	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.141	0.027	0.069	—	pCi/L	Y	—	NQ	10-3932	CAPA-10-24102	GELC
R-19 S4	1410.2	09/16/09	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.109	0.021	0.067	—	pCi/L	Y	—	NQ	09-3300	CAPA-09-12181	GELC
R-19 S4	1410.2	09/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.174	0.035	0.08	—	pCi/L	Y	—	NQ	08-1933	CAPA-08-15049	GELC
R-19 S4	1410.2	06/11/08	WG	UF	INIT	REG	RAD	HASL-300:ISOU	Uranium-238	U-238	Y	0.112	0.016	0.044	—	pCi/L	Y	—	NQ	08-1346	CAPA-08-13172	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.74	—	—	1	µg/L	Y	J	J	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.99	—	—	1	µg/L	Y	J	J	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	N	3.48	—	—	1	µg/L	Y	J	U	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.47	—	—	1	µg/L	Y	J	J	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Vanadium	V	Y	4.45	—	—	1	µg/L	Y	J	J	11-165	CAPA-10-27371	GELC
R-19 S4	1410.2	05/07/12	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	26.7	—	—	3.3	µg/L	Y	—	NQ	12-1287	CAPA-12-13296	GELC
R-19 S4	1410.2	07/20/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	10	—	—	3.3	µg/L	Y	U	U	11-2900	CAPA-11-22866	GELC
R-19 S4	1410.2	05/10/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	N	14	—	—	3.3	µg/L	Y	—	U	11-2379	CAPA-11-9583	GELC
R-19 S4	1410.2	01/21/11	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	6.74	—	—	3.3	µg/L	Y	J	J	11-1180	CAPA-11-2971	GELC
R-19 S4	1410.2	10/14/10	WG	F	INIT	REG	INORGANIC	SW-846:6010B	Zinc	Zn	Y	7.51	—	—	3.3	µg/L	Y	J	J	11-165	CAPA-10-27371	GELC

Appendix D

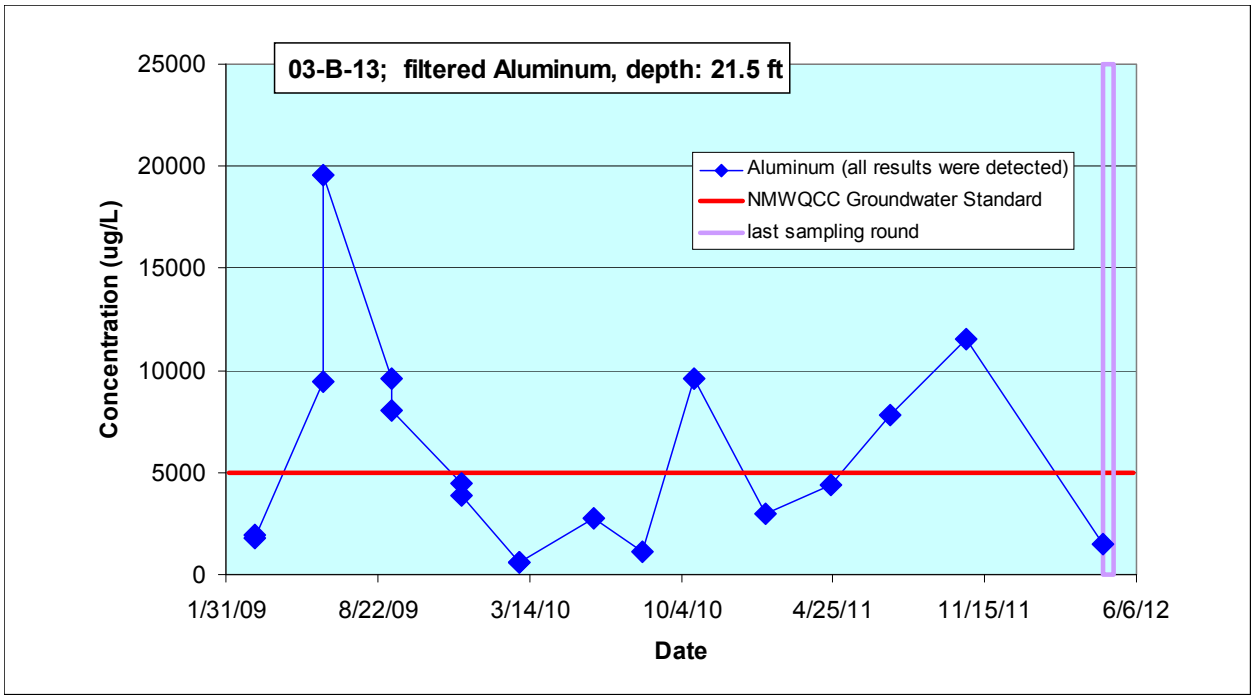
Groundwater Results Greater Than Half of Screening Levels

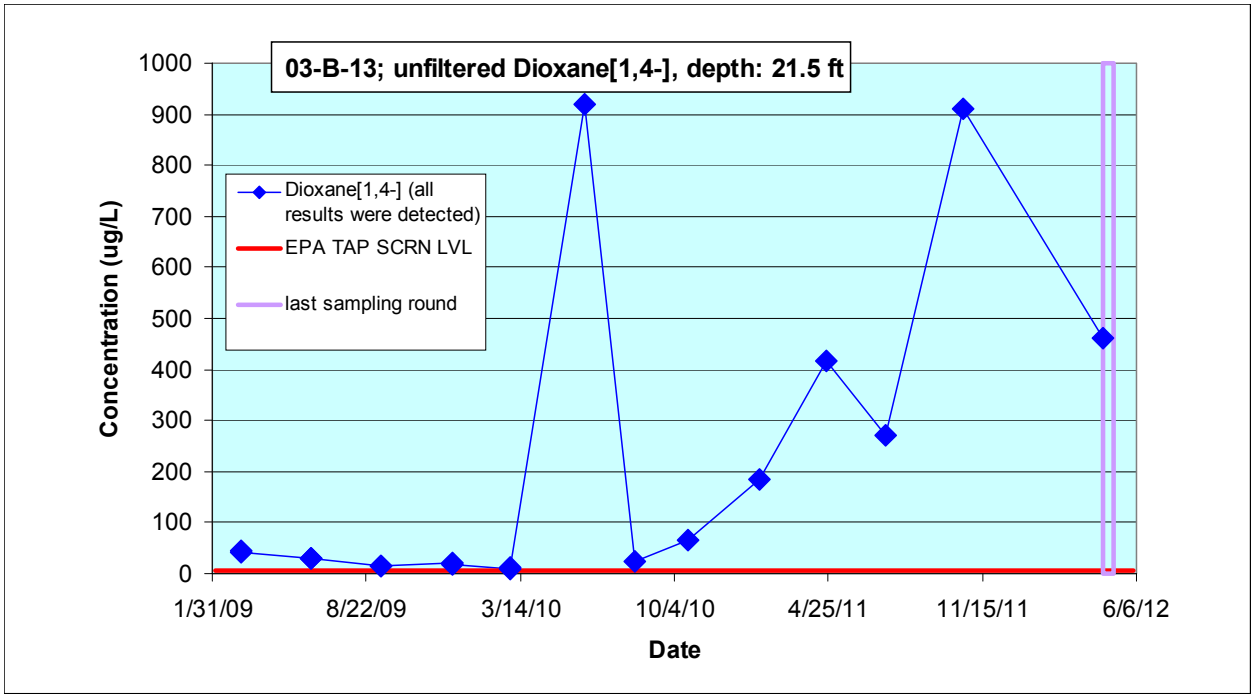
Zone	Location	Screen Top Depth (ft)	Sample Date	Analysis Suite	Parameter Name	Parameter Code	Field Prep Code	Analysis Type Code	Field Quality Control Code	Detect Flag	Report Result	Method Detection Limit	Units	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason	Best Value Flag	Analytical Method	Lab ID	Screening Level	Reporting Level Code	Result/Screening Level
Alluvial	18-MW-18	12.5	04/30/12	General Chemistry	Chloride	Cl(-1)	F[a]	INIT[b]	REG[c]	Y[d]	354	3.35	mg/L	50	—[e]	NQ[f]	NQ	Y	EPA:300.0	GELC[g]	250	NMWQCC GW STD[h]	1.42
Alluvial	PCAO-8	9.7	04/27/12	General Chemistry	Chloride	Cl(-1)	F	INIT	REG	Y	128	0.67	mg/L	10	—	NQ	NQ	Y	EPA:300.0	GELC	250	NMWQCC GW STD	0.51
Intermediate	03-B-13	21.5	04/23/12	General Chemistry	Chloride	Cl(-1)	F	INIT	REG	Y	130	0.67	mg/L	10	—	NQ	NQ	Y	EPA:300.0	GELC	250	NMWQCC GW STD	0.52
Alluvial	18-MW-18	12.5	04/30/12	General Chemistry	Total Dissolved Solids	TDS	F	INIT	REG	Y	834	3.4	mg/L	1	—	NQ	NQ	Y	EPA:160.1	GELC	1000	NMWQCC GW STD	0.83
Alluvial	18-MW-18	12.5	04/30/12	Metals	Barium	Ba	F	INIT	REG	Y	531	1	µg/L	1	—	NQ	NQ	Y	SW-846:6010B	GELC	1000	NMWQCC GW STD	0.53
Intermediate	03-B-13	21.5	04/23/12	Metals	Iron	Fe	F	INIT	REG	Y	857	30	µg/L	1	—	NQ	NQ	Y	SW-846:6010B	GELC	1000	NMWQCC GW STD	0.86
Intermediate	03-B-13	21.5	04/23/12	SVOC[i]	Dioxane[1,4-]	123-91-1	UF[j]	DL[k]	REG	Y	462	30	µg/L	10	—	J-[l]	SV9[m]	Y	SW-846:8270C	GELC	6.7	EPA TAP SCRN LVL[n]	68.96
Intermediate	03-B-13	21.5	04/23/12	VOC[o]	Dichloroethene[1,1-]	75-35-4	UF	INIT	REG	Y	4.91	0.3	µg/L	1	—	NQ	NQ	Y	SW-846:8260B	GELC	5	NMWQCC GW STD	0.98
Intermediate	03-B-13	21.5	04/23/12	VOC	Dichloroethene[1,1-]	75-35-4	UF	DL	REG	Y	3.22	0.6	µg/L	2	—	NQ	NQ	N[p]	SW-846:8260B	GELC	5	NMWQCC GW STD	0.64
Intermediate	03-B-13	21.5	04/23/12	VOC	Trichloroethane[1,1,1-]	71-55-6	UF	INIT	REG	Y	170	0.3	µg/L	1	E[q]	R[r]	V7[s]	N	SW-846:8260B	GELC	60	NMWQCC GW STD	2.83
Intermediate	03-B-13	21.5	04/23/12	VOC	Trichloroethane[1,1,1-]	71-55-6	UF	DL	REG	Y	113	0.6	µg/L	2	—	NQ	NQ	Y	SW-846:8260B	GELC	60	NMWQCC GW STD	1.88

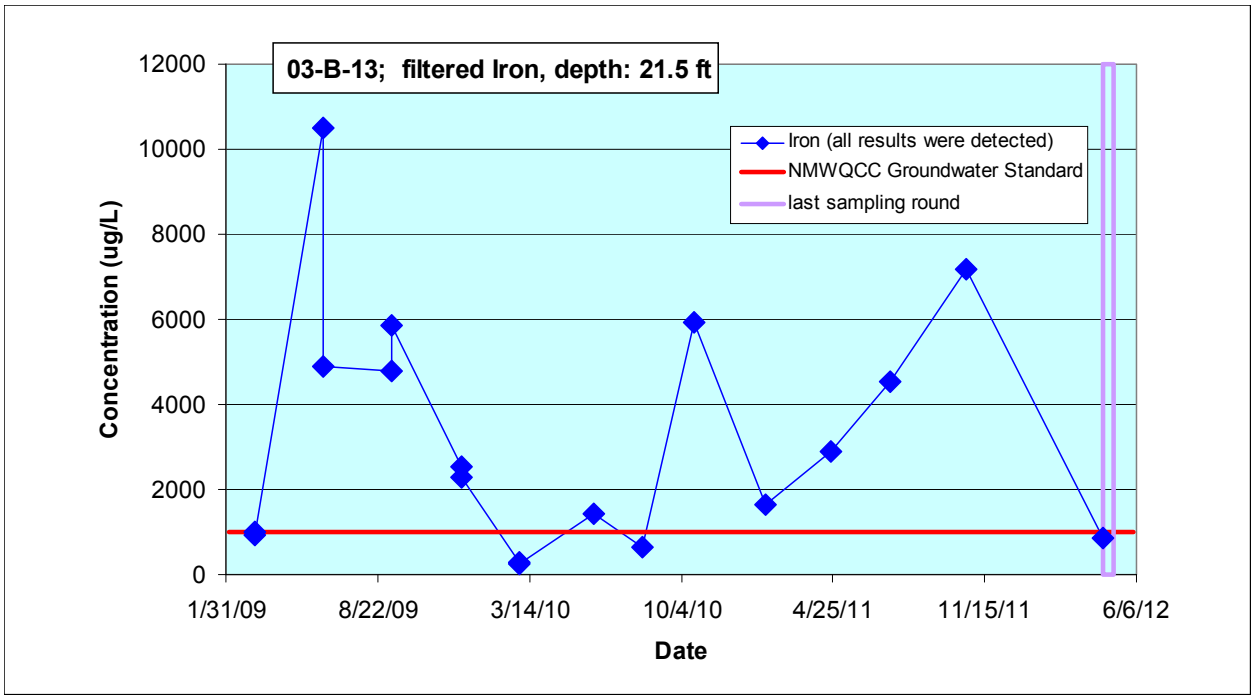
[a] F = Filtered.
[b] INIT = Initial.
[c] REG = Regular.
[d] Y = Yes.
[e] — = None.
[f] NQ = Not qualified.
[g] GELC = General Engineering Laboratories, Inc., Charleston, SC.
[h] NMWQCC GW STD = New Mexico Water Quality Control Commission groundwater standard.
[i] SVOC = Semivolatile organic compound.
[j] UF = Unfiltered.
[k] DL = Dilution.
[l] 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.
[m] SV9 = The holding time was >1 and ≤2 times the applicable holding time requirement.
[n] EPA TAP SCRN LVL = U.S. Environmental Protection Agency regional screening level for tap water.
[o] VOC = Volatile organic compound.
[p] N = No.
[q] E = Analyte exceeded the concentration range.
[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] V7 = The affected results were not analyzed with a valid 5-point calibration curve and/or a standard at the reporting limit.

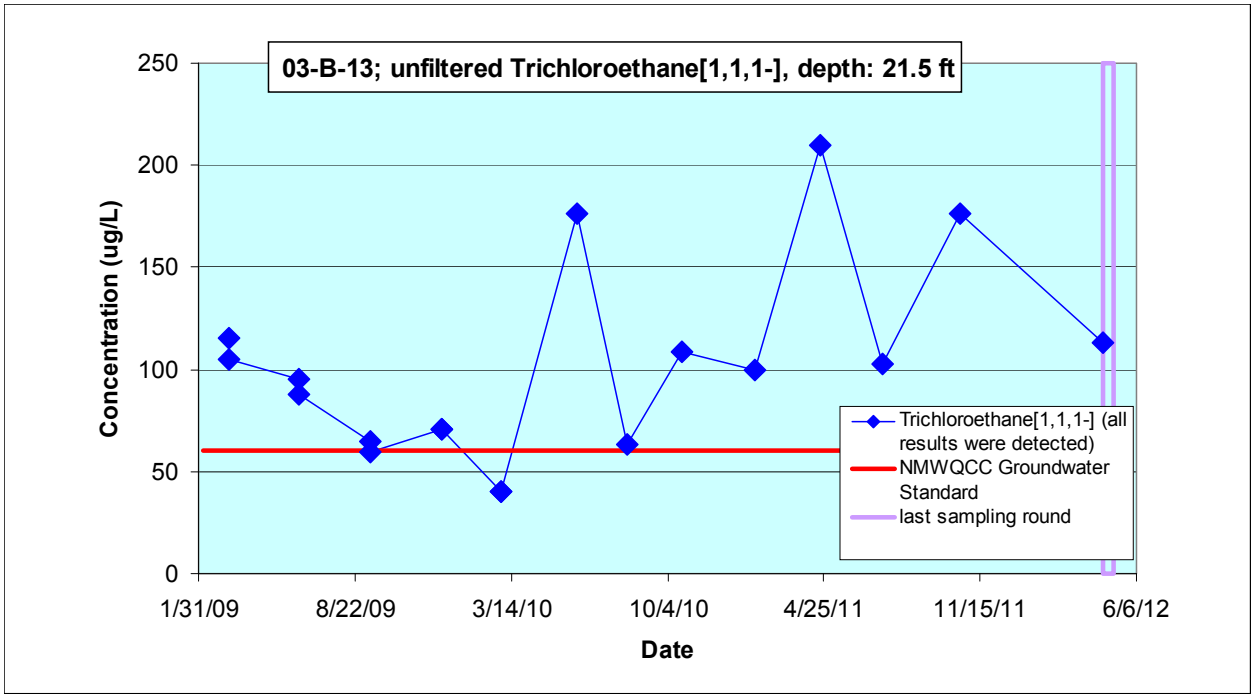
Appendix E

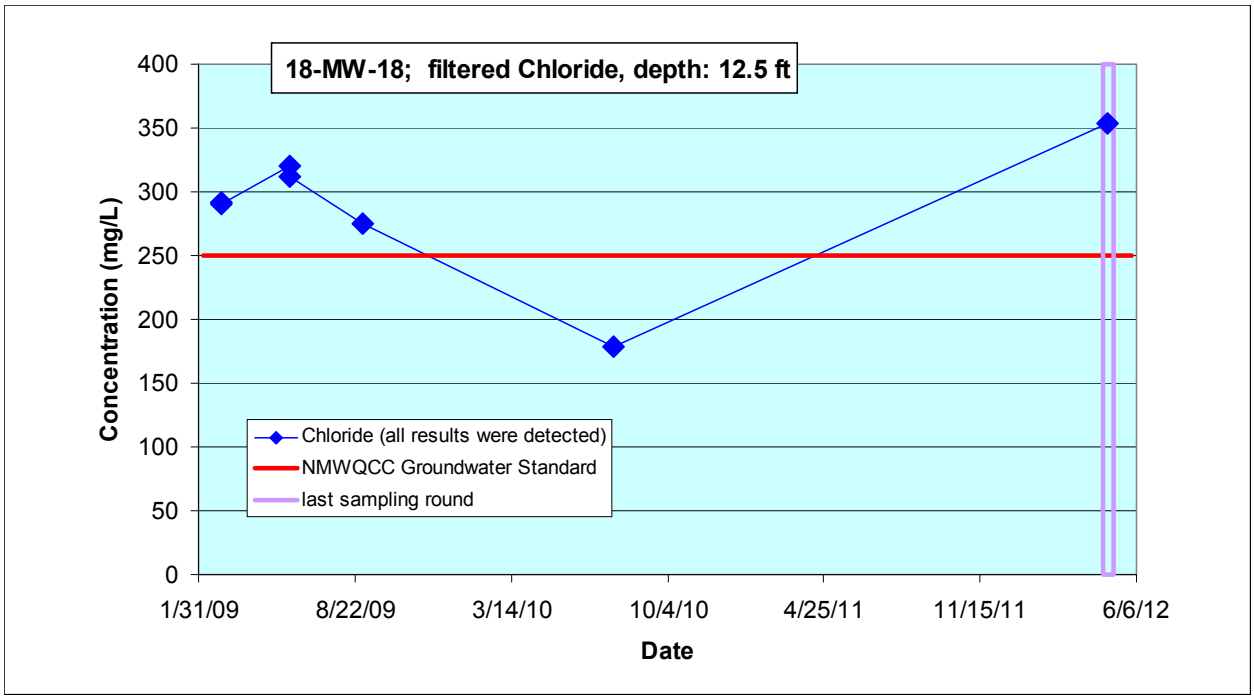
Analytical Chemistry Graphs of Screening-Level Exceedances


03-B-13; filtered Aluminum, depth: 21.5 ft
Aluminum (all results were detected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
25000
20000
15000
10000
5000
0
1/31/09
8/22/09
3/14/10
10/4/10
4/25/11
11/15/11
6/6/12
Date


03-B-13; unfiltered Dioxane[1,4-], depth: 21.5 ft
Dioxane[1,4-] (all results were detected)
EPA TAP SCRN LVL
last sampling round
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
1/31/09
8/22/09
3/14/10
10/4/10
4/25/11
11/15/11
6/6/12
Date


03-B-13; filtered Iron, depth: 21.5 ft
Iron (all results were detected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
12000
10000
8000
6000
4000
2000
0
1/31/09
8/22/09
3/14/10
10/4/10
4/25/11
11/15/11
6/6/12
Date


03-B-13; unfiltered Trichloroethane[1,1,1-], depth: 21.5 ft
Trichloroethane[1,1,1-] (all results were detected)
NMWQCC Groundwater Standard
last sampling round
Concentration (ug/L)
250
200
150
100
50
0
1/31/09
8/22/09
3/14/10
10/4/10
4/25/11
11/15/11
6/6/12
Date


18-MW-18; filtered Chloride, depth: 12.5 ft
Concentration (mg/L)
400
350
300
250
200
150
100
50
0
1/31/09
8/22/09
3/14/10
10/4/10
4/25/11
11/15/11
6/6/12
Date
Chloride (all results were detected)
NMWQCC Groundwater Standard
last sampling round

Appendix F

Analytical Reports
(on CD included with this document)

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Chain of Custody	Category	Lab	Sample	Date	Location	Screen Top Depth (ft)	Screen Bottom Depth (ft)
12-1236	INORGANIC	GELC[a]	CAPA-12-13287	04/23/2012	03-B-13	21.5	31.5
12-1236	INORGANIC	GELC	CAPA-12-13277	04/23/2012	03-B-13	21.5	31.5
12-1236	ORGANIC	GELC	CAPA-12-13277	04/23/2012	03-B-13	21.5	31.5
12-1236	RAD[b]	GELC	CAPA-12-13277	04/23/2012	03-B-13	21.5	31.5
12-1241	INORGANIC	GELC	CAPA-12-13281	04/24/2012	PCI-2	512	522
12-1241	INORGANIC	GELC	CAPA-12-13291	04/24/2012	PCI-2	512	522
12-1241	ORGANIC	GELC	CAPA-12-13281	04/24/2012	PCI-2	512	522
12-1241	RAD	GELC	CAPA-12-13281	04/24/2012	PCI-2	512	522
12-1253	INORGANIC	GELC	CAPA-12-13290	04/27/2012	PCAO-8	9.7	19.7
12-1254	INORGANIC	GELC	CAPA-12-13288	04/30/2012	18-MW-18	12.5	23
12-1254	INORGANIC	GELC	CAPA-12-13278	04/30/2012	18-MW-18	12.5	23
12-1254	ORGANIC	GELC	CAPA-12-13278	04/30/2012	18-MW-18	12.5	23
12-1254	RAD	GELC	CAPA-12-13278	04/30/2012	18-MW-18	12.5	23
12-1274	INORGANIC	GELC	CAPA-12-13294	05/02/2012	R-19 S2	893.3	909.6
12-1274	INORGANIC	GELC	CAPA-12-13282	05/02/2012	R-17 S1	1057	1080
12-1274	INORGANIC	GELC	CAPA-12-13283	05/02/2012	R-17 S2	1124	1134
12-1274	INORGANIC	GELC	CAPA-12-13284	05/02/2012	R-19 S2	893.3	909.6
12-1274	INORGANIC	GELC	CAPA-12-13307	05/02/2012	R-17 S1	1057	1080
12-1274	INORGANIC	GELC	CAPA-12-13308	05/02/2012	R-17 S1	1057	1080
12-1274	INORGANIC	GELC	CAPA-12-13292	05/02/2012	R-17 S1	1057	1080
12-1274	INORGANIC	GELC	CAPA-12-13293	05/02/2012	R-17 S2	1124	1134
12-1274	ORGANIC	GELC	CAPA-12-13282	05/02/2012	R-17 S1	1057	1080
12-1274	ORGANIC	GELC	CAPA-12-13283	05/02/2012	R-17 S2	1124	1134
12-1274	ORGANIC	GELC	CAPA-12-13284	05/02/2012	R-19 S2	893.3	909.6
12-1274	ORGANIC	GELC	CAPA-12-13307	05/02/2012	R-17 S1	1057	1080
12-1274	RAD	GELC	CAPA-12-13282	05/02/2012	R-17 S1	1057	1080
12-1274	RAD	GELC	CAPA-12-13283	05/02/2012	R-17 S2	1124	1134
12-1274	RAD	GELC	CAPA-12-13284	05/02/2012	R-19 S2	893.3	909.6
12-1274	RAD	GELC	CAPA-12-13307	05/02/2012	R-17 S1	1057	1080
12-1277	INORGANIC	GELC	CAPA-12-13295	05/03/2012	R-19 S3	1171.4	1215.4
12-1277	INORGANIC	GELC	CAPA-12-13285	05/03/2012	R-19 S3	1171.4	1215.4
12-1277	ORGANIC	GELC	CAPA-12-13285	05/03/2012	R-19 S3	1171.4	1215.4
12-1277	RAD	GELC	CAPA-12-13285	05/03/2012	R-19 S3	1171.4	1215.4
12-1287	INORGANIC	GELC	CAPA-12-13296	05/07/2012	R-19 S4	1410.2	1417.4
12-1287	INORGANIC	GELC	CAPA-12-13286	05/07/2012	R-19 S4	1410.2	1417.4
12-1287	ORGANIC	GELC	CAPA-12-13286	05/07/2012	R-19 S4	1410.2	1417.4
12-1287	RAD	GELC	CAPA-12-13286	05/07/2012	R-19 S4	1410.2	1417.4

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

[b] RAD= Radiochemistry (not gamma).