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*LAUR*: 17-21197
*Locates Action No.*: n/a

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

**Subject: Monthly Notification of Groundwater Data Reviewed in February 2017**

This letter is Los Alamos National Laboratory's (LANL's) written submission in accordance with Section XXVI of the June 2016 Compliance Order on Consent (Consent Order). LANL is working towards updating its data screening procedures to incorporate the screening requirements in Section IX of the 2016 Consent Order. Therefore, the screening levels used in this report are those specified in Section IV.A.3.g of the March 2005 Consent Order. Members of LANL's Associate Directorate for Environmental Management met on February 13, 2017, to review new groundwater data received in January 2017. This report was prepared by comparing the data against groundwater cleanup levels as defined in Section VIII.A.1 of the March 2005 Consent Order. For comparison with U.S. Environmental Protection Agency (EPA) tap water standards, the carcinogenic risk was adjusted to $1 \times 10^{-5}$, as specified in the Consent Order. This report was prepared using the May 2016 EPA regional screening levels.

This report also includes analytical data from samples collected in San Ildefonso Pueblo, which are subject to reporting at this time. These data have been reviewed by San Ildefonso Pueblo. This review is required under the Memorandum of Agreement dated May 28, 2014, between the U.S. Department of Energy; National Nuclear Security Administration, Los Alamos Field Office; and San Ildefonso Pueblo.

## 1-Day Notification

There were five instances of a contaminant detected at a concentration that exceeded the New Mexico Water Quality Control Commission standard or federal maximum contaminant level at locations where contaminants have not been previously detected above the respective standard (based on samples collected since June 14, 2007).

In a filtered sample collected on December 05, 2016, from alluvial spring 16-61439, barium was measured at 3340 µg/L, above the 1000-µg/L New Mexico Groundwater Standard (NM GW STD).

In a filtered sample collected on December 13, 2016, from perched-intermediate well screen R-25 S1, chromium, cobalt, iron, and manganese were measured at 3080 µg/L, 89 µg/L, 29,300 µg/L, and 1380 µg/L, respectively, above their respective 50-µg/L, 50-µg/L, 1000-µg/L, and 200-µg/L NM GW STDs. The elevated concentrations of these constituents, along with elevated nickel and low pH, are indicative of corrosion of stainless steel.

One-day notification of these results by telephone occurred on February 13, 2017.

**15-Day Notification**

The required information for the contaminants and other chemical parameters that meet the six reporting criteria requiring written notification within 15 days is given in the accompanying report and table.

If you have questions, please contact Steve Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,

Bruce Robinson, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

Sincerely,

for

David S. Rhodes, Director
Office of Quality and Regulatory Compliance
Environmental Management
Los Alamos Field Office

BR/DR/SP:sm

Enclosure: Two hard copies with electronic files – Summary of Groundwater Data Reviewed in February 2017 That Meet Notification Requirements (EP2017-0035)

Cy: (Letter and CD and/or DVD)
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**SUMMARY OF GROUNDWATER DATA REVIEWED IN FEBRUARY 2017**
**THAT MEET NOTIFICATION REQUIREMENTS**

## INTRODUCTION

This report provides preliminary information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by Los Alamos National Laboratory (the Laboratory) under its interim monitoring plan and contains results for chemical constituents that meet the six screening criteria laid out in the March 2005 Compliance Order on Consent (Consent Order). The report covers groundwater samples taken from wells or springs (listed in the accompanying table) that provide surveillance of the groundwater zones indicated in the table.

The report includes one table, *Table 1: NMED 01-17 Groundwater Report*. This table contains values which are detected for the first time since June 14, 2007, or detections of concentrations meeting other screening criteria since that time (as specified in the March 2005 Consent Order). These reported data may be similar to data gathered before June 14, 2007.

This table includes the following:

- Additional comments on results that appear to be exceptional based on consideration of monitoring data acquired before the current results (using statistics described below)
- Supplemental information summarizing monitoring results obtained before the current results
- Sampling date, name of the well or spring, location of the well or spring, depth of the screened interval, groundwater zone sampled, analytical result, detection limit, values for regulatory standards or screening levels, and analytical and secondary validation qualifiers. Additional information describing the locations and analytical data is also included. All data have been through secondary validation.

In accordance with the March 2005 Consent Order, the screening levels used include the U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), the New Mexico groundwater standards, and the EPA regional screening levels for tap water (for compounds having no other regulatory standard). The EPA regional screening levels for tap water are either for cancer ($10^{-6}$ excess risk) or noncancer risk values. The data were screened using 10 times the EPA's $10^{-6}$ excess cancer risk values to achieve $10^{-5}$ excess cancer risk as indicated in Section VIII.A.1 of the March 2005 Consent Order. This report was prepared using the May 2016 EPA regional screening levels.

Background levels applied in Criteria 2 and 5 are the NMED-approved 95% upper tolerance limits for background for each groundwater zone as set forth in the "Groundwater Background Investigation Report," Rev 3, prepared under Section IV.A.3.d of the March 2005 Consent Order.

## DESCRIPTION OF TABLE

### 1-Day Notification Requirement

The CA value is used in the Criteria Code column of the table. The CA value represents the data that show detection of a contaminant in a well screen interval or spring at a concentration that exceeds either the New Mexico Water Quality Control Commission water quality standard or the federal MCL if that contaminant has not previously exceeded such water quality standard or MCL in the well screen interval or spring. The Laboratory notifies NMED orally within 1 business day after review of such analytical data and also includes the data in the 15-day notification table.

### 15-Day Notification Requirement

The table is divided into separate categories that correspond to the six screening criteria in the March 2005 Consent Order. Some data meet more than one of the criteria and appear in the table multiple times. The table also presents only the instances where the results exceed criteria; therefore, all six criteria may not appear in the table.

The criteria are as follows:

C1. Detection of a contaminant that is an organic compound in a spring or screened interval of a well if that contaminant has not previously been detected in the spring or screened interval.

C2. Detection of a contaminant that is a metal or other inorganic compound at a concentration above the background level in a spring or screened interval of a well if that contaminant has not previously exceeded the background level in the spring or screened interval.

C3. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal maximum contaminant level, or if there is no such standard for the contaminant, one-half the EPA Region 6 human health medium-specific screening level for tap water (now the EPA regional screening levels for tap water), if that contaminant has not previously exceeded one-half such standard or screening level in the spring or screened interval.

C4. Detection of perchlorate in a spring or screened interval of a well at a concentration of 2 µg/L or greater if perchlorate at such concentration has not previously been detected in the spring or screened interval.

C5. Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that exceeds 2 times the background level for the third consecutive sampling of the spring or screened interval.

C6. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal MCL and that has increased for the third consecutive sampling of that spring or screened interval.

The next seven columns of the table give information on monitoring results obtained before the current result. The columns provide summary statistics for the samples collected since January 1, 2000, for the same analyte and field preparation (for example, filtered samples). The information includes the date of the first sampling event included in the statistics; the numbers of sampling events and samples analyzed; the number of detections; and the minimum, maximum, and median concentration for detections. This information indicates whether the new result is consistent with the range of earlier data.

The subsequent columns contain location and sampling information:

Hdr 1—canyon where monitoring location is found

Zone—groundwater zone sampled by monitoring location (such as alluvial spring)

Location—monitoring location name

Screen Depth—depth of top of well screen in feet (0 for springs, –1 if unknown)

Start Date—sample date

Fld QC Type Code—identifies regular samples (REG) or field duplicates (FD)

Fld Prep Code—identifies whether samples are filtered or unfiltered

Lab Sample Type Code—indicates whether result is a primary sample (INIT) or reanalysis (RE)

Anyl Suite Code—analytical suite (such as volatile organic compounds) for analyzed compound

Analyte Desc—name of analyte

Analyte—chemical symbol for analyte or CAS (Chemical Abstracts Service) number for organic compounds

Std Result—analytical result in standard measurement units

Result/Median—ratio of the Std Result to the median of all detections since 2000

LVL Type/Risk Code—type of regulatory standard, screening level, or background value (indicating groundwater zone) used for comparison

Screen Level—value of the LVL Type/Risk Code

Exceedance Ratio—ratio of Std Result to LVL Type/Risk Code. In earlier versions of this report, the ratio was divided by the basis for comparison in the criterion, but that is no longer the case. For example, for a criterion (such as C3) that compares the value with one-half the standard, a value equal to a standard previously had an exceedance ratio of 2. The current report shows this ratio as 1.

Std Mdl—method detection limit in standard measurement units

Std Uom—standard units of measurement

Dilution Factor—amount by which the sample was diluted to measure the concentration

Lab Qual Code—analytical laboratory qualifiers indicating analytical quality of the sample

Validation Flag—secondary validation qualifier

Validation Reason Code—concatenated secondary validation codes explaining assignment of qualifiers

Anyl Meth Code—analytical method number

Lab Code—analytical laboratory name

Comment—comment on the analytical result

**Table 1: NMED 01-17 Groundwater Report**

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | 1 | 1 | 42709 | 1.58 | 1.58 | 1.58 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | HEXP | Amino-2,6-dinitrotoluene[4-] | 19406-51-0 | 1.58 | 1 | EPA TAP SCRN LVL | 39 | 0 | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | |
| C1 | 1 | 1 | 42709 | 1.48 | 1.48 | 1.48 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | HEXP | Amino-4,6-dinitrotoluene[2-] | 35572-78-2 | 1.48 | 1 | EPA TAP SCRN LVL | 39 | 0 | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | |
| C1 | 1 | 1 | 42709 | 0.193 | 0.193 | 0.193 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | LCMS/MS High Explosives | DNX | DNX | 0.193 | 1 | | | | 0.0879 | µg/L | 2 | JQ | J | J_LAB | SW-846:8321A_MOD | GELC | |
| C1 | 1 | 1 | 42709 | 3.68 | 3.68 | 3.68 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | HEXP | HMX | 2691-41-0 | 3.68 | 1 | EPA TAP SCRN LVL | 1000 | 0 | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | New location in FY17 IFGMP. The concentration is the first measured result. |
| C1 | 1 | 1 | 42709 | 0.348 | 0.348 | 0.348 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | LCMS/MS High Explosives | MNX | MNX | 0.348 | 1 | | | | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | |
| C1 | 1 | 1 | 42709 | 7.24 | 7.24 | 7.24 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | HEXP | RDX | 121-82-4 | 7.24 | 1 | EPA TAP SCRN LVL | 7 | 1 | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | |
| C1 | 1 | 1 | 42709 | 0.422 | 0.422 | 0.422 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | LCMS/MS High Explosives | TNX | TNX | 0.422 | 1 | | | | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | |
| C1 | 1 | 1 | 42709 | 0.133 | 0.133 | 0.133 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | HEXP | Trinitrotoluene[2,4,6-] | 118-96-7 | 0.133 | 1 | EPA TAP SCRN LVL | 9.8 | 0 | 0.0879 | µg/L | 2 | J | J | J_LAB | SW-846:8321A_MOD | GELC | |
| C1 | 5 | 8 | 42145 | 1.5 | 1.5 | 1.5 | 1 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/7/2016 | REG | UF | INIT | VOC | Carbon Disulfide | 75-15-0 | 1.5 | 1 | EPA TAP SCRN LVL | 810 | 0 | 1.5 | µg/L | 1 | J | J- | V12a | SW-846:8260B | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C2 | 1 | 1 | 42711 | 0.316 | 0.316 | 0.316 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611937 | 3 | 12/7/2016 | REG | F | INIT | GENINORG | Ammonia as Nitrogen | NH3-N | 0.316 | 1 | LANL Avl BG LVL | 0.04 | 7.9 | 0.017 | mg/L | 1 | | NQ | NQ | EPA:350.1 | GELC | |
| C2 | 1 | 1 | 42711 | 151 | 151 | 151 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611937 | 3 | 12/7/2016 | REG | F | INIT | GENINORG | Total Dissolved Solids | TDS | 151 | 1 | LANL Avl BG LVL | 139 | 1.1 | 3.4 | mg/L | 1 | | NQ | NQ | EPA:160.1 | GELC | |
| C2 | 1 | 1 | 42711 | 0.532 | 0.532 | 0.532 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611937 | 3 | 12/7/2016 | REG | F | INIT | GENINORG | Total Phosphate as Phosphorus | PO4-P | 0.532 | 1 | LANL Avl BG LVL | 0.05 | 10.6 | 0.02 | mg/L | 1 | | NQ | NQ | EPA:365.4 | GELC | |
| C2 | 1 | 1 | 42709 | 0.042 | 0.042 | 0.042 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | GENINORG | Ammonia as Nitrogen | NH3-N | 0.042 | 1 | LANL Avl BG LVL | 0.04 | 1.1 | 0.017 | mg/L | 1 | J | J | J_LAB | EPA:350.1 | GELC | |
| C2 | 1 | 1 | 42709 | 3340 | 3340 | 3340 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | Metals | Barium | Ba | 3340 | 1 | LANL Avl BG LVL | 68.57 | 48.7 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C2 | 1 | 1 | 42709 | 0.324 | 0.324 | 0.324 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.324 | 1 | LANL Avl BG LVL | 0.05 | 6.5 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | New location in FY17 IFGMP. The concentration is the first measured result. |
| C2 | 1 | 1 | 42709 | 134 | 134 | 134 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | Metals | Strontium | Sr | 134 | 1 | LANL Avl BG LVL | 120 | 1.1 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C2 | 1 | 1 | 42709 | 164 | 164 | 164 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | GENINORG | Total Dissolved Solids | TDS | 164 | 1 | LANL Avl BG LVL | 139 | 1.2 | 3.4 | mg/L | 1 | | NQ | NQ | EPA:160.1 | GELC | |
| C2 | 1 | 1 | 42709 | 2.71 | 2.71 | 2.71 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | Metals | Vanadium | V | 2.71 | 1 | LANL Avl BG LVL | 1 | 2.7 | 1 | µg/L | 1 | J | J | J_LAB | SW-846:6010C | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C2 | 1 | 1 | 42709 | 5.82 | 5.82 | 5.82 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | Metals | Zinc | Zn | 5.82 | 1 | LANL Avl BG LVL | 2 | 2.9 | 3.3 | µg/L | 1 | J | J | J_LAB | SW-846:6010C | GELC | |
| C2 | 14 | 18 | 40288 | 0.0203 | 0.117 | 0.0403 | 10 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | 16-26644 | 130 | 12/7/2016 | REG | F | INIT | GENINORG | Total Phosphate as Phosphorus | PO4-P | 0.117 | 2.9 | LANL Int BG LVL | 0.08 | 1.5 | 0.02 | mg/L | 1 | | NQ | NQ | EPA:365.4 | GELC | |
| C2 | 11 | 11 | 36844 | 116 | 116 | 116 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | Metals | Copper | Cu | 116 | 1 | LANL Int BG LVL | 5.32 | 21.8 | 3 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C2 | 11 | 11 | 36844 | 26.7 | 29300 | 34.9 | 9 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | Metals | Iron | Fe | 29300 | 839.5 | LANL Int BG LVL | 840 | 34.9 | 30 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C2 | 10 | 10 | 37291 | 0.0426 | 0.121 | 0.08 | 3 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | GENINORG | Total Phosphate as Phosphorus | PO4-P | 0.121 | 1.5 | LANL Int BG LVL | 0.08 | 1.5 | 0.02 | mg/L | 1 | | NQ | NQ | EPA:365.4 | GELC | |
| C2 | 5 | 8 | 42145 | 0.0305 | 0.13 | 0.0576 | 7 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/7/2016 | FD | F | INIT | GENINORG | Total Phosphate as Phosphorus | PO4-P | 0.13 | 2.3 | LANL Int BG LVL | 0.08 | 1.6 | 0.02 | mg/L | 1 | | NQ | NQ | EPA:365.4 | GELC | |
| C2 | 5 | 8 | 42145 | 0.0305 | 0.13 | 0.0576 | 7 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/7/2016 | REG | F | INIT | GENINORG | Total Phosphate as Phosphorus | PO4-P | 0.0992 | 1.7 | LANL Int BG LVL | 0.08 | 1.2 | 0.02 | mg/L | 1 | | J | I10b | EPA:365.4 | GELC | |
| C3 | 1 | 1 | 42709 | 3340 | 3340 | 3340 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | F | INIT | Metals | Barium | Ba | 3340 | 1 | NM GW STD | 1000 | 3.3 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | New location in FY17 IFGMP. Concentration was above 1000 µg/L of NM GW STD |
| C3 | 1 | 1 | 42709 | 7.24 | 7.24 | 7.24 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/5/2016 | REG | UF | INIT | HEXP | RDX | 121-82-4 | 7.24 | 1 | EPA TAP SCRN LVL | 7 | 1 | 0.0879 | µg/L | 2 | | NQ | NQ | SW-846:8321A_MOD | GELC | New location. Concentration was above 7 µg/L of EPA TAP SCRN LVL |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C3 | 11 | 11 | 36844 | 0.82 | 3080 | 6.2 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | Metals | Chromium | Cr | 3080 | 496.8 | NM GW STD | 50 | 61.6 | 300 | µg/L | 100 | | NQ | NQ | SW-846:6020 | GELC | Location has not been sampled for several years, and was added to the FY17 IFGMP. Low pH (5.75) and elevated concentrations for chromium, nickel, cobalt, iron, and manganese are indicative of corrosion of stainless steel. |
| C3 | 11 | 11 | 36844 | 1.7 | 89 | 6.55 | 10 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | Metals | Cobalt | Co | 89 | 13.6 | NM GW STD | 50 | 1.8 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C3 | 11 | 11 | 36844 | 26.7 | 29300 | 34.9 | 9 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | Metals | Iron | Fe | 29300 | 839.5 | NM GW STD | 1000 | 29.3 | 30 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C3 | 8 | 8 | 38566 | 0.512 | 2.05 | 0.566 | 8 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 2.05 | 3.6 | Consent Order | 4 | 0.5 | 0.1 | µg/L | 2 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 46 | 51 | 36608 | 1960 | 5150 | 3020 | 51 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 12/9/2016 | REG | F | INIT | Metals | Barium | Ba | 1960 | 0.6 | LANL Avl BG LVL | 68.57 | 28.6 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 16 | 18 | 39105 | 0.14 | 0.935 | 0.3965 | 18 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 12/9/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.398 | 1 | LANL Avl BG LVL | 0.05 | 8 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 9 | 11 | 40933 | 0.0706 | 0.185 | 0.0981 | 10 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611923 | 3.2 | 12/7/2016 | REG | F | INIT | GENINORG | Ammonia as Nitrogen | NH3-N | 0.0859 | 0.9 | LANL Avl BG LVL | 0.04 | 2.1 | 0.017 | mg/L | 1 | | NQ | NQ | EPA:350.1 | GELC | |
| C5 | 16 | 24 | 40270 | 7070 | 49400 | 12100 | 24 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611923 | 3.2 | 12/7/2016 | REG | F | INIT | Metals | Barium | Ba | 8170 | 0.7 | LANL Avl BG LVL | 68.57 | 119.1 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | 16 | 24 | 40270 | 111 | 7510 | 662 | 24 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611923 | 3.2 | 12/7/2016 | REG | F | INIT | Metals | Manganese | Mn | 263 | 0.4 | LANL Avl BG LVL | 2 | 131.5 | 2 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 7 | 7 | 40269 | 3250 | 13500 | 6180 | 7 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611937 | 3 | 12/7/2016 | REG | F | INIT | Metals | Barium | Ba | 3250 | 0.5 | LANL Avl BG LVL | 68.57 | 47.4 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 7 | 7 | 40269 | 2620 | 3880 | 3580 | 7 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-611937 | 3 | 12/7/2016 | REG | F | INIT | Metals | Manganese | Mn | 2620 | 0.7 | LANL Avl BG LVL | 2 | 1310 | 2 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 14 | 18 | 40288 | 15.2 | 30.1 | 19.8 | 18 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | 16-26644 | 130 | 12/7/2016 | REG | F | INIT | GENINORG | Chloride | Cl(-1) | 22.5 | 1.1 | LANL Int BG LVL | 7.78 | 2.9 | 0.335 | mg/L | 5 | | NQ | NQ | EPA:300.0 | GELC | |
| C5 | 13 | 17 | 40288 | 0.401 | 0.762 | 0.46 | 17 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | 16-26644 | 130 | 12/7/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.452 | 1 | LANL Int BG LVL | 0.05 | 9 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 24 | 29 | 38504 | 51 | 78.9 | 60.5 | 29 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-1(i) | 624 | 12/5/2016 | REG | F | INIT | Metals | Boron | B | 78.9 | 1.3 | LANL Int BG LVL | 15.12 | 5.2 | 15 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 21 | 26 | 38504 | 0.075 | 0.117 | 0.0944 | 16 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-1(i) | 624 | 12/5/2016 | REG | F | INIT | GENINORG | Bromide | Br(-1) | 0.0884 | 0.9 | LANL Int BG LVL | 0.03 | 2.9 | 0.067 | mg/L | 1 | J | J | J_LAB | EPA:300.0 | GELC | |
| C5 | 24 | 29 | 38504 | 3.4 | 24.8 | 8.88 | 27 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-1(i) | 624 | 12/5/2016 | REG | F | INIT | Metals | Copper | Cu | 17.8 | 2 | LANL Int BG LVL | 5.32 | 3.3 | 3 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 17 | 21 | 39223 | 0.449 | 0.589 | 0.526 | 21 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-1(i) | 624 | 12/5/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.544 | 1 | LANL Int BG LVL | 0.05 | 10.9 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | 24 | 29 | 38504 | 4.9 | 70.7 | 13 | 25 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-1(i) | 624 | 12/5/2016 | REG | F | INIT | Metals | Zinc | Zn | 37.5 | 2.9 | LANL Int BG LVL | 2 | 18.8 | 3.3 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 17 | 25 | 39118 | 0.242 | 0.346 | 0.295 | 25 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-2(i)r | 850 | 12/8/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.346 | 1.2 | LANL Int BG LVL | 0.05 | 6.9 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 23 | 31 | 38701 | 5.6 | 29.8 | 13.65 | 28 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CdV-16-2(i)r | 850 | 12/8/2016 | REG | F | INIT | Metals | Zinc | Zn | 15.2 | 1.1 | LANL Int BG LVL | 2 | 7.6 | 3.3 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 18 | 22 | 40421 | 60.3 | 115 | 66.9 | 22 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CDV-16-4ip S1 | 815.6 | 12/5/2016 | REG | F | INIT | Metals | Boron | B | 67.8 | 1 | LANL Int BG LVL | 15.12 | 4.5 | 15 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 17 | 21 | 40421 | 0.331 | 0.397 | 0.363 | 21 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | CDV-16-4ip S1 | 815.6 | 12/5/2016 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.391 | 1.1 | LANL Int BG LVL | 0.05 | 7.8 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 11 | 11 | 11/14/00 | 91 | 270 | 109 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Boron | B | 104 | 1 | LANL Int BG LVL | 15.12 | 6.9 | 15 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 13 | 13 | 11/14/00 | 0.072 | 0.272 | 0.096 | 7 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | GENINORG | Bromide | Br(-1) | 0.272 | 2.8 | LANL Int BG LVL | 0.03 | 9.1 | 0.067 | mg/L | 1 | | NQ | NQ | EPA:300.0 | GELC | |
| C5 | 11 | 11 | 11/14/00 | 0.82 | 3080 | 6.2 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Chromium | Cr | 3080 | 496.8 | LANL Int BG LVL | 1 | 3080 | 300 | µg/L | 100 | | NQ | NQ | SW-846:6020 | GELC | |
| C5 | 11 | 11 | 11/14/00 | 1.7 | 89 | 6.55 | 10 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Cobalt | Co | 89 | 13.6 | LANL Int BG LVL | 0.5 | 178 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | 11 | 11 | 11/14/00 | 6.9 | 1380 | 86 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Manganese | Mn | 1380 | 16 | LANL Int BG LVL | 2 | 690 | 2 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | Location has not been sampled for several years, and was added to the FY17 IFGMP. Low pH (5.75) and elevated concentrations for chromium, nickel, cobalt, iron, and manganese are indicative of corrosion of stainless steel. |
| C5 | 11 | 11 | 11/14/00 | 9.5 | 7520 | 460 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Nickel | Ni | 7520 | 16.3 | LANL Int BG LVL | 1 | 7520 | 50 | µg/L | 100 | | NQ | NQ | SW-846:6020 | GELC | |
| C5 | 8 | 8 | 08/02/05 | 0.512 | 2.05 | 0.566 | 8 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 2.05 | 3.6 | LANL Int BG LVL | 0.05 | 41 | 0.1 | µg/L | 2 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 15 | 16 | 01/05/09 | 0.208 | 0.313 | 0.289 | 16 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 12/08/16 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.299 | 1 | LANL Int BG LVL | 0.05 | 6 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 18 | 19 | 01/05/09 | 3.1 | 1420 | 24.2 | 18 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 12/08/16 | REG | F | INIT | Metals | Zinc | Zn | 33.7 | 1.4 | LANL Int BG LVL | 2 | 16.9 | 3.3 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 12 | 15 | 12/21/09 | 0.222 | 0.286 | 0.248 | 15 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-47i | 840 | 12/06/16 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.286 | 1.2 | LANL Int BG LVL | 0.05 | 5.7 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 5 | 8 | 05/21/15 | 0.0745 | 2.75 | 0.44 | 8 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/07/16 | FD | F | INIT | GENINORG | Bromide | Br(-1) | 0.416 | 0.9 | LANL Int BG LVL | 0.03 | 13.9 | 0.067 | mg/L | 1 | | NQ | NQ | EPA:300.0 | GELC | |
| C5 | 5 | 8 | 05/21/15 | 0.0745 | 2.75 | 0.44 | 8 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/07/16 | REG | F | INIT | GENINORG | Bromide | Br(-1) | 0.464 | 1.1 | LANL Int BG LVL | 0.03 | 15.5 | 0.067 | mg/L | 1 | | NQ | NQ | EPA:300.0 | GELC | |
| C5 | 5 | 8 | 05/21/15 | 0.389 | 0.532 | 0.4355 | 8 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/07/16 | FD | F | INIT | GENINORG | Perchlorate | ClO4 | 0.456 | 1 | LANL Int BG LVL | 0.05 | 9.1 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 5 | 8 | 05/21/15 | 0.389 | 0.532 | 0.4355 | 8 | Acid Canyon | Intermediate Perched | CDV-9-1(i) S1 | 937.4 | 12/07/16 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.463 | 1.1 | LANL Int BG LVL | 0.05 | 9.3 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 68 | 83 | 01/10/00 | 145 | 266 | 182 | 77 | Water Canyon (includes Canon de Valle, | Intermediate Spring | Burning Ground Spring | 0 | 12/09/16 | REG | F | INIT | Metals | Barium | Ba | 183 | 1 | LANL Int BG LVL | 71.83 | 2.5 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Potrillo, and Fence Canyons) | | | | | | | | | | | | | | | | | | | | | | | | |
| C5 | 19 | 24 | 01/29/07 | 0.518 | 0.717 | 0.5955 | 24 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 12/09/16 | REG | F | INIT | GENINORG | Perchlorate | ClO4 | 0.648 | 1.1 | LANL Int BG LVL | 0.05 | 13 | 0.05 | µg/L | 1 | | NQ | NQ | SW-846:6850 | GELC | |
| C5 | 9 | 10 | 11/25/14 | 8.7 | 30.1 | 18.05 | 10 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Regional | R-47 | 1322 | 12/06/16 | REG | F | INIT | Metals | Zinc | Zn | 13.1 | 0.7 | LANL Reg BG LVL | 3.89 | 3.4 | 3.3 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 14 | 15 | 10/23/01 | 103 | 118 | 115 | 15 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 10/19/16 | REG | F | INIT | Metals | Barium | Ba | 114 | 1 | LANL Reg BG LVL | 56.83 | 2 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 17 | 18 | 10/19/00 | 6.44 | 8.43 | 7.055 | 18 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 10/19/16 | REG | F | INIT | GENINORG | Chloride | Cl(-1) | 7.29 | 1 | LANL Reg BG LVL | 3.57 | 2 | 0.067 | mg/L | 1 | | NQ | NQ | EPA:300.0 | GELC | |
| C5 | 13 | 14 | 08/24/04 | 8.47 | 12.7 | 11 | 14 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 10/19/16 | REG | F | INIT | GENINORG | Uranium | U | 9.96 | 0.9 | LANL Reg BG LVL | 1.9 | 5.2 | 0.067 | µg/L | 1 | | NQ | NQ | SW-846:6020 | GELC | |
| C5 | 14 | 21 | 10/23/01 | 36.3 | 831 | 118 | 19 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 10/19/16 | REG | F | INIT | Metals | Iron | Fe | 831 | 7 | LANL Reg BG LVL | 21 | 39.6 | 30 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 14 | 21 | 10/23/01 | 32.8 | 994 | 197 | 19 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 10/19/16 | REG | F | INIT | Metals | Manganese | Mn | 250 | 1.3 | LANL Reg BG LVL | 2.94 | 85 | 2 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| C5 | 11 | 17 | 09/14/06 | 0.755 | 4.37 | 1.95 | 13 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 10/19/16 | REG | UF | INIT | GENINORG | Total Organic Carbon | TOC | 0.755 | 0.4 | LANL Reg BG LVL | 0.33 | 2.3 | 0.33 | mg/L | 1 | J | J | J_LAB | SW-846:9060 | GELC | |
| C6 | 14 | 21 | 10/23/01 | 36.3 | 831 | 118 | 19 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 10/19/16 | REG | F | INIT | Metals | Iron | Fe | 831 | 7 | NM GW STD | 1000 | 0.8 | 30 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| CA | 1 | 1 | 12/05/16 | 3340 | 3340 | 3340 | 1 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Alluvial Spring | 16-61439 | 0 | 12/05/16 | REG | F | INIT | Metals | Barium | Ba | 3340 | 1 | NM GW STD | 1000 | 3.3 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | New location in FY17 IFGMP. The concentration is the first measured result. |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Screen Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Validation Flag | Validation Reason Code | Anyl Meth Code | Lab Code | Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA | 11 | 11 | 11/14/00 | 0.82 | 3080 | 6.2 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Chromium | Cr | 3080 | 496.8 | NM GW STD | 50 | 61.6 | 300 | µg/L | 100 | | NQ | NQ | SW-846:6020 | GELC | Location has not been sampled for several years, and was added to the FY17 IFGMP. Low pH (5.75) and elevated concentrations for chromium, nickel, cobalt, iron, and manganese are indicative of corrosion of stainless steel. |
| CA | 11 | 11 | 11/14/00 | 1.7 | 89 | 6.55 | 10 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Cobalt | Co | 89 | 13.6 | NM GW STD | 50 | 1.8 | 1 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| CA | 11 | 11 | 11/14/00 | 26.7 | 29300 | 34.9 | 9 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Iron | Fe | 29300 | 839.5 | NM GW STD | 1000 | 29.3 | 30 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |
| CA | 11 | 11 | 11/14/00 | 6.9 | 1380 | 86 | 11 | Water Canyon (includes Canon de Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 S1 | 737.6 | 12/13/16 | REG | F | INIT | Metals | Manganese | Mn | 1380 | 16 | NM GW STD | 200 | 6.9 | 2 | µg/L | 1 | | NQ | NQ | SW-846:6010C | GELC | |