

SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN NOVEMBER 2009

INTRODUCTION

This report provides preliminary information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by the Los Alamos National Laboratory (the Laboratory) under its interim monitoring plan. This report contains results for chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent (Consent Order), modified May 13, 2008. 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 11-09 Groundwater Report*. This table contains some values that are reported when they are detected for the first time since June 14, 2007, or are greater than other data collected since that time (as specified in the Consent Order). These reported data are often similar to data gathered before June 14, 2007. Over time, the data that exceed the reference data have decreased substantially.

This table includes additional comments on the significance of the results for those that appear to be exceptional or are first-time occurrences of results based on considering monitoring data acquired before June 14, 2007 (using statistics described below).

The table contains supplemental information summarizing monitoring results obtained before June 14, 2007.

The table includes sampling date, the name of the well or spring, the location of the well or spring, the depth of the screened interval, the 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. The definitions for abbreviations in the table may be found at <http://www.lanl.gov/environment/all/racer.shtml>.

In accordance with the 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). In the table, the EPA Regional Screening Levels for tap water are identified as being for cancer (10^{-5} excess) or noncancer risk values. The data were screened using 10 times the EPA's 10^{-6} excess cancer risk values, as indicated in Section VIII.A.1 of the Consent Order.

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

DESCRIPTION OF TABLE

The table is divided into separate categories that correspond to the seven screening criteria in the Consent Order: these are labeled (in the first column) C1 through C6 for the numbered criteria and CA for cases where the concentration of a constituent in a well screen or spring has not previously exceeded either the New Mexico Water Quality Control Commission (NMWQCC) standard or the federal MCLs.

Some data meet more than one criterion and appear in the table multiple times. The criteria are as follows:

- CA. The Respondents shall notify the Department orally within one business day after review of the analytical data if such data show detection of a contaminant in a well screen interval or spring at a concentration that exceeds either the NMWQCC water quality standard or the federal MCL if that contaminant has not previously exceeded such water quality standard or maximum contaminant level in such well screen interval or spring.
- 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 over a longer time frame than samples collected after June 14, 2007. The columns provide summary statistics on 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 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

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

Start Date—sample date

Fld QC Type Code—identifies samples that are field duplicates (definitions for these and other abbreviations may be found at <http://www.lanl.gov/environment/all/racer.shtml>)

Fld Prep—identifies whether samples are filtered or unfiltered

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

Anyl Suite—gives 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—the analytical result in standard measurement units

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

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

Screen Level—the value of the LVL Type/Risk Code

Exceedance Ratio—the ratio of Std Result to LVL Type/Risk Code, divided by the basis for comparison in the criterion. For example, for a criterion (such as C3) that compares the value to 1/2 the standard, a value equal to a standard has an exceedance ratio of 2.

- C1, C2, and CA refer to a screening value so the exceedance ratio compares the result directly to the screening value.
- C3, C4, and C6 refer to 1/2 of a screening value so the exceedance ratio compares the result to 1/2 the screening value.
- C5 refers to 2 times a screening value so the exceedance ratio compares the result to 2 times the screening value.

Std Mdl—the method detection limit in standard measurement units

Std UOM—the standard units of measurement

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

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

Concat Flag Code—concatenated secondary validation qualifiers produced by an independent contractor who reviews data packages, verifying, for example, that holding times were met, that all documentation is present, and that analytical laboratory quality control measures were applied, documented, and kept within contract requirements

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

Anyl Meth Code—analytical method number

Lab Code—analytical laboratory name

Comment—a comment on the analytical result

Table 1: NMED 11-09 Groundwater Report

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Port Depth | Start Date | Fld QC Type Code | Fld Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Symbol | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Concat Flag Code | Concat Reason Code | Anyl Meth Code | Lab Code | Comment |
|---------------|--------|---------|-------------|------------|------------|---------------|------------|---|---------------------|------------------|------------|------------|------------------|---------------|----------------------|-----------------|--|------------|--------|------------|---------------|---------------------|--------------|------------------|------------|---------|-----------------|---------------|------------------|--------------------|------------------|----------|--|
| C1 | 7 | 11 | 06/24/02 | 0.262 | 0.262 | 0.262 | 1 | Lower Los Alamos Canyon (San Ildefonso Pueblo) | Water Supply | LA-5 | 440 | 07/13/09 | | UF | CS | VOA | Dichloroethane[1,2-] | 107-06-2 | | 0.262 | 1.00 | EPA MCL | 5 | 0.1 | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 3 | 5 | 04/01/09 | 0.342 | 0.342 | 0.342 | 1 | Mortandad Canyon (includes Ten Site Canyon and Canada del Buey) | Regional | R-41 | 965.3 | 09/01/09 | FD | UF | CS | VOA | Chloromethane | 74-87-3 | | 0.342 | 1.00 | EPA TAP SCRNLVL N | 190 | 0.0 | 0.3 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 14 | 14 | 06/20/05 | 0.436 | 0.475 | 0.456 | 2 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Kieling Spring | 0 | 09/15/09 | | UF | CS | HEXP | TATB | 3058-38-6 | | 0.436 | 0.96 | | | | 0.39 | ug/L | 2 | J | J | J_LAB | SW-846:8321A_MOD | GELC | |
| C1 | 12 | 12 | 09/09/04 | 0.302 | 0.302 | 0.302 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Kieling Spring | 0 | 09/15/09 | | UF | CS | VOA | Chloromethane | 74-87-3 | | 0.302 | 1.00 | EPA TAP SCRNLVL N | 190 | 0.0 | 0.3 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 3 | 3 | 01/28/09 | 0.00000919 | 0.00000919 | 0.00000919 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate | R-40 | 649.7 | 08/31/09 | | UF | CS | DIOX/FUR | Heptachlorodibenzodioxin[1,2,3,4,6,7,8-] | 35822-46-9 | | 0.00000919 | 1.00 | | | | 0.00000919 | ug/L | 1 | J | J | J_LAB | SW-846:8290 | ALTC | |
| C1 | 3 | 3 | 01/28/09 | 0.00000235 | 0.00000235 | 0.00000235 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate | R-40 | 649.7 | 08/31/09 | | UF | CS | DIOX/FUR | Heptachlorodibenzodioxins (Total) | 37871-00-4 | | 0.00000235 | 1.00 | | | | 0.00000235 | ug/L | 1 | B | J | DF4a | SW-846:8290 | ALTC | |
| C1 | 11 | 11 | 04/06/01 | 0.0102 | 0.0102 | 0.0102 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Regional | R-19 | 1412.9 | 09/16/09 | | UF | CS | PEST/PCB | BHC[gamma-] | 58-89-9 | | 0.0102 | 1.00 | EPA MCL | 0.2 | 0.1 | 0.0064 | ug/L | 1 | J | J- | P9 | SW-846:8081A | GELC | |
| C1 | 3 | 4 | 02/26/09 | 0.00000706 | 0.00000706 | 0.00000706 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Regional | R-32 | 867.5 | 08/31/09 | | UF | CS | DIOX/FUR | Heptachlorodibenzodioxin[1,2,3,4,6,7,8-] | 35822-46-9 | | 0.00000706 | 1.00 | | | | 0.00000706 | ug/L | 1 | J | J | J_LAB | SW-846:8290 | ALTC | |
| C1 | 3 | 4 | 02/26/09 | 0.00000186 | 0.00000186 | 0.00000186 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Regional | R-32 | 867.5 | 08/31/09 | | UF | CS | DIOX/FUR | Heptachlorodibenzodioxins (Total) | 37871-00-4 | | 0.00000186 | 1.00 | | | | 0.00000186 | ug/L | 1 | B | J | DF4a | SW-846:8290 | ALTC | |
| C1 | 8 | 8 | 11/15/00 | 0.38 | 0.417 | 0.4 | 3 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 | 891.8 | 10/16/09 | | UF | CS | VOA | Tetrachloroethene | 127-18-4 | | 0.417 | 1.04 | EPA MCL | 5 | 0.1 | 0.3 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | previous detects in 02,03 |
| C1 | 1 | 1 | 10/16/09 | 0.418 | 0.418 | 0.418 | 1 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 | 891.8 | 10/16/09 | | UF | CS | VOA | Methyl tert-Butyl Ether | 1634-04-4 | | 0.418 | 1.00 | EPA TAP SCRNLVL C-5 | 120 | 0.0 | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | first detect, detected in every sample collected from any intermediate R-25 port; only one of many in regional |
| C1 | 8 | 8 | 11/15/00 | 0.39 | 1.2 | 0.46 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 | 891.8 | 10/16/09 | | UF | CS | VOA | Trichloroethene | 79-01-6 | | 0.526 | 1.14 | EPA MCL | 5 | 0.1 | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | previous detects in 02,03 |
| C1 | 7 | 12 | 07/01/06 | 2.62 | 4 | 3.7 | 5 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Regional | R-27 | 852 | 10/07/09 | | UF | CS | SVOA | Bis(2-ethylhexyl)phthalate | 117-81-7 | | 4 | 1.08 | EPA MCL | 6 | 0.7 | 2.3 | ug/L | 1 | J | J | J_LAB | SW-846:8270C | GELC | detected 4 times previously at similar levels |
| C1 | 7 | 10 | 10/23/01 | 0.281 | 0.56 | 0.327 | 3 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.327 | 1.00 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 7 | 10 | 10/23/01 | 0.281 | 0.56 | 0.327 | 3 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.281 | 0.86 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 7 | 10 | 10/23/01 | 4.15 | 4.74 | 4.45 | 2 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | UF | CS | VOA | Acetone | 67-64-1 | | 4.15 | 0.93 | EPA TAP SCRNLVL N | 22000 | 0.0 | 3.5 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 7 | 10 | 10/23/01 | 4.15 | 4.74 | 4.45 | 2 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | UF | CS | VOA | Acetone | 67-64-1 | | 4.74 | 1.07 | EPA TAP SCRNLVL N | 22000 | 0.0 | 3.5 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 7 | 7 | 10/23/01 | 1.63 | 1.63 | 1.63 | 1 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | UF | CS | SVOA | Dibenz(a,h)anthracene | 53-70-3 | | 1.63 | 1.00 | EPA TAP SCRNLVL C-5 | 0.029 | 56.2 | 0.22 | ug/L | 1 | | J | SV7c | SW-846:8270C | GELC | found in field blank for other locations on this date |
| C1 | 7 | 7 | 10/23/01 | 0.324 | 0.324 | 0.324 | 1 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.324 | 1.00 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 5 | 5 | 09/25/01 | 0.375 | 0.375 | 0.375 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 6A | 0 | 09/29/09 | | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.375 | 1.00 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 5 | 5 | 09/25/01 | 0.279 | 0.279 | 0.279 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9 | 0 | 09/29/09 | | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.279 | 1.00 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 5 | 5 | 09/27/00 | 0.513 | 0.513 | 0.513 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9A | 0 | 09/30/09 | | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.513 | 1.00 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 5 | 5 | 09/27/00 | 0.375 | 0.375 | 0.375 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9A | 0 | 09/30/09 | | UF | CS | VOA | Chloromethane | 74-87-3 | | 0.375 | 1.00 | EPA TAP SCRNLVL N | 190 | 0.0 | 0.3 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 2 | 2 | 04/23/08 | 0.533 | 0.533 | 0.533 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9B | 0 | 09/30/09 | | UF | CS | VOA | Toluene | 108-88-3 | | 0.533 | 1.00 | NM GW STD | 750 | 0.0 | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C1 | 2 | 2 | 04/23/08 | 0.316 | 0.316 | 0.316 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9B | 0 | 09/30/09 | | UF | CS | VOA | Dichlorobenzene[1,3-] | 541-73-1 | | 0.316 | 1.00 | | | | 0.25 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Port Depth | Start Date | Flt QC Type Code | Flt Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Symbol | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Concat Flag Code | Concat Reason Code | Anyl Meth Code | Lab Code | Comment |
|---------------|--------|---------|-------------|------------|------------|---------------|------------|---|---------------------|------------------------|------------|------------|------------------|---------------|----------------------|-----------------|-----------------|---------|--------|------------|---------------|--------------------|--------------|------------------|---------|---------|-----------------|---------------|------------------|--------------------|----------------|----------|----------------------------------|
| C1 | 8 | 10 | 06/25/02 | 0.525 | 0.525 | 0.525 | 1 | White Rock Canyon and Rio Grande | Water Supply | J. Martinez House Well | -1 | 07/14/09 | | UF | CS | VOA | Chloromethane | 74-87-3 | | 0.525 | 1.00 | EPA TAP SCR N LVL | 190 | 0.0 | 0.3 | ug/L | 1 | J | J | J_LAB | SW-846:8260B | GELC | |
| C2 | 5 | 5 | 06/28/05 | 0.119 | 0.323 | 0.216 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.323 | 1.50 | LANL Avl BG LVL | 0.27 | 1.2 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 5 | 5 | 06/28/05 | 160 | 24400 | 2230 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Aluminum | Al | | 24400 | 10.94 | LANL Avl BG LVL | 15670 | 1.6 | 68 | ug/L | 1 | | | | SW-846:6010B | GELC | turbidity was 108 NTU |
| C2 | 5 | 5 | 06/28/05 | 1.2 | 11.6 | 6.4 | 2 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Chromium | Cr | | 11.6 | 1.81 | LANL Avl BG LVL | 1 | 11.6 | 2.5 | ug/L | 1 | | | | SW-846:6020 | GELC | |
| C2 | 5 | 5 | 06/28/05 | 68.3 | 14100 | 1240 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Iron | Fe | | 14100 | 11.37 | LANL Avl BG LVL | 8240 | 1.7 | 30 | ug/L | 1 | | | | SW-846:6010B | GELC | turbidity was 108 NTU |
| C2 | 5 | 5 | 06/28/05 | 1.1 | 3.18 | 2.15 | 4 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Molybdenum | Mo | | 3.18 | 1.48 | LANL Avl BG LVL | 2 | 1.6 | 0.1 | ug/L | 1 | | | | SW-846:6020 | GELC | |
| C2 | 3 | 3 | 12/11/08 | 21.7 | 117 | 24.4 | 3 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Silicon Dioxide | SiO2 | | 117 | 4.80 | LANL Avl BG LVL | 64.21 | 1.8 | 0.27 | mg/L | 5 | | | | SW-846:6010B | GELC | |
| C2 | 5 | 5 | 06/28/05 | 2.5 | 19.6 | 5.7 | 3 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Vanadium | V | | 19.6 | 3.44 | LANL Avl BG LVL | 1 | 19.6 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C2 | 14 | 26 | 09/09/04 | 0.079 | 0.256 | 0.101 | 26 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Homestead Spring | 0 | 09/16/09 | FD | F | CS | GENINORG | Fluoride | F(-1) | | 0.256 | 2.53 | LANL Int BG LVL | 0.23 | 1.1 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 14 | 15 | 09/10/04 | 0.086 | 0.277 | 0.118 | 14 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Starmer Spring | 0 | 09/16/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.277 | 2.35 | LANL Int BG LVL | 0.23 | 1.2 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 14 | 14 | 09/09/04 | 0.123 | 0.278 | 0.14 | 14 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Kieling Spring | 0 | 09/15/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.278 | 1.99 | LANL Int BG LVL | 0.23 | 1.2 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 6 | 6 | 06/22/08 | 0.67 | 1.48 | 0.74 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7a | 9.7 | 09/17/09 | | F | CS | METALS | Nickel | Ni | | 1.48 | 2.00 | LANL Avl BG LVL | 1 | 1.5 | 0.5 | ug/L | 1 | J | J | J_LAB | SW-846:6020 | GELC | |
| C2 | 6 | 6 | 06/25/08 | 0.103 | 0.103 | 0.103 | 1 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | METALS | Mercury | Hg | | 0.103 | 1.00 | LANL Avl BG LVL | 0.06 | 1.7 | 0.066 | ug/L | 1 | J | J | J_LAB | EPA:245.2 | GELC | |
| C2 | 7 | 9 | 01/23/07 | 0.155 | 0.37 | 0.194 | 9 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 10/09/09 | FD | F | CS | GENINORG | Fluoride | F(-1) | | 0.37 | 1.91 | LANL Avl BG LVL | 0.27 | 1.4 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 7 | 9 | 01/23/07 | 0.155 | 0.37 | 0.194 | 9 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 10/09/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.275 | 1.42 | LANL Avl BG LVL | 0.27 | 1.0 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 5 | 5 | 01/24/07 | 0.614 | 0.614 | 0.614 | 1 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.614 | 1.00 | LANL Avl BG LVL | 0.05 | 12.3 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C2 | 18 | 18 | 11/14/00 | 2.1 | 6.61 | 3.6 | 6 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Copper | Cu | | 6.61 | 1.84 | LANL Avl BG LVL | 3 | 2.2 | 3 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |
| C2 | 2 | 2 | 04/03/08 | 39.2 | 71.4 | 55.3 | 2 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Silicon Dioxide | SiO2 | | 71.4 | 1.29 | LANL Avl BG LVL | 64.21 | 1.1 | 0.053 | mg/L | 1 | | | | SW-846:6010B | GELC | |
| C2 | 6 | 6 | 05/10/07 | 0.143 | 0.295 | 0.187 | 6 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | SWSC Spring | 0 | 10/15/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.295 | 1.58 | LANL Int BG LVL | 0.23 | 1.3 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 3 | 4 | 01/05/09 | 0.224 | 0.4 | 0.226 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.4 | 1.77 | LANL Int BG LVL | 0.23 | 1.7 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 3 | 4 | 01/05/09 | 1.94 | 5.37 | 3.66 | 2 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | METALS | Arsenic | As | | 5.37 | 1.47 | LANL Int BG LVL | 4.32 | 1.2 | 1.5 | ug/L | 1 | | | | SW-846:6020 | GELC | 3 results; rising concentrations |
| C2 | 2 | 2 | 08/03/05 | 0.0649 | 0.138 | 0.1015 | 2 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25 | 891.8 | 10/16/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.0649 | 0.64 | LANL Int BG LVL | 0.05 | 1.3 | 0.05 | ug/L | 1 | J | J | J_LAB | SW-846:6850 | GELC | |
| C2 | 7 | 11 | 10/23/01 | 168 | 196 | 182 | 2 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | F | CS | METALS | Aluminum | Al | | 168 | 0.92 | LANL Reg BG LVL | 68 | 2.5 | 68 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Port Depth | Start Date | Flt QC Type Code | Flt Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Symbol | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Concat Flag Code | Concat Reason Code | Anyl Meth Code | Lab Code | Comment |
|---------------|--------|---------|-------------|------------|------------|---------------|------------|---|-----------------|------------------|------------|------------|------------------|---------------|----------------------|-----------------|----------------------------|----------|--------|------------|---------------|-----------------------|--------------|------------------|---------|---------|-----------------|---------------|------------------|--------------------|----------------|----------|---|
| C2 | 7 | 11 | 10/23/01 | 168 | 196 | 182 | 2 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | F | CS | METALS | Aluminum | Al | | 196 | 1.08 | LANL Reg BG LVL | 68 | 2.9 | 68 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |
| C2 | 7 | 11 | 10/23/01 | 4.43 | 5.52 | 4.98 | 2 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | F | CS | METALS | Zinc | Zn | | 4.43 | 0.89 | LANL Reg BG LVL | 3.89 | 1.1 | 3.3 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |
| C2 | 7 | 11 | 10/23/01 | 4.43 | 5.52 | 4.98 | 2 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | F | CS | METALS | Zinc | Zn | | 5.52 | 1.11 | LANL Reg BG LVL | 3.89 | 1.4 | 3.3 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |
| C2 | 5 | 5 | 07/12/05 | 0.092 | 0.163 | 0.126 | 3 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | F | CS | GENINORG | Bromide | Br(-1) | | 0.126 | 1.00 | LANL Reg BG LVL | 0.1 | 1.3 | 0.066 | mg/L | 1 | J | J | J_LAB | EPA:300.0 | GELC | |
| C2 | 8 | 9 | 10/23/01 | 0.303 | 3.23 | 0.823 | 3 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | F | CS | METALS | Manganese | Mn | | 3.23 | 3.92 | LANL Reg BG LVL | 2.94 | 1.1 | 2 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |
| C2 | 8 | 9 | 10/23/01 | 3.03 | 18.4 | 5.07 | 3 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | F | CS | METALS | Zinc | Zn | | 5.07 | 1.00 | LANL Reg BG LVL | 3.89 | 1.3 | 3.3 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | |
| C2 | 10 | 11 | 09/24/01 | 3.47 | 5.89 | 4.1 | 7 | White Rock Canyon and Rio Grande | Regional Spring | Spring 3 | 0 | 09/28/09 | | F | CS | METALS | Chromium | Cr | | 5.89 | 1.44 | LANL Reg BG LVL | 5.75 | 1.0 | 2.5 | ug/L | 1 | J | J | J_LAB | SW-846:6020 | GELC | value is estimated |
| C2 | 11 | 12 | 09/25/00 | 0.371 | 0.632 | 0.475 | 11 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4 | 0 | 09/28/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.632 | 1.33 | LANL Reg BG LVL | 0.57 | 1.1 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 8 | 9 | 09/27/05 | 0.445 | 0.617 | 0.478 | 9 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4C | 0 | 09/28/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.617 | 1.29 | LANL Reg BG LVL | 0.57 | 1.1 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 7 | 7 | 09/26/05 | 0.428 | 0.622 | 0.476 | 6 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4B | 0 | 09/28/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.622 | 1.31 | LANL Reg BG LVL | 0.57 | 1.1 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 8 | 9 | 09/27/05 | 0.48 | 0.689 | 0.507 | 9 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4AA | 0 | 09/28/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.689 | 1.36 | LANL Reg BG LVL | 0.57 | 1.2 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 14 | 16 | 09/25/00 | 0.294 | 0.685 | 0.473 | 14 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4A | 0 | 09/28/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.685 | 1.45 | LANL Reg BG LVL | 0.57 | 1.2 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 14 | 19 | 09/25/00 | 138 | 192 | 170 | 19 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4A | 0 | 09/28/09 | | F | CS | GENINORG | Total Dissolved Solids | TDS | | 192 | 1.13 | LANL Reg BG LVL | 191.68 | 1.0 | 2.4 | mg/L | 1 | | | | EPA:160.1 | GELC | |
| C2 | 10 | 10 | 09/25/01 | 0.323 | 0.592 | 0.42 | 9 | White Rock Canyon and Rio Grande | Regional Spring | Spring 5 | 0 | 09/29/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.592 | 1.41 | LANL Reg BG LVL | 0.57 | 1.0 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 4 | 4 | 07/26/00 | 0.367 | 0.642 | 0.436 | 4 | White Rock Canyon and Rio Grande | Regional Spring | Spring 5B | 0 | 09/29/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.642 | 1.47 | LANL Reg BG LVL | 0.57 | 1.1 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 2 | 2 | 09/25/07 | 0.37 | 0.37 | 0.37 | 1 | White Rock Canyon and Rio Grande | Regional Spring | Spring 5B | 0 | 09/29/09 | | UF | CS | GENINORG | Total Organic Carbon | TOC | | 0.37 | 1.00 | LANL Reg BG LVL | 0.33 | 1.1 | 0.33 | mg/L | 1 | J | J | J_LAB | SW-846:9060 | GELC | |
| C2 | 9 | 10 | 09/26/00 | 0.307 | 0.57 | 0.327 | 9 | White Rock Canyon and Rio Grande | Regional Spring | Ancho Spring | 0 | 09/29/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.57 | 1.74 | LANL Reg BG LVL | 0.57 | 1.0 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 8 | 8 | 09/25/01 | 0.259 | 0.602 | 0.382 | 7 | White Rock Canyon and Rio Grande | Regional Spring | Spring 6A | 0 | 09/29/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.602 | 1.58 | LANL Reg BG LVL | 0.57 | 1.1 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 8 | 8 | 09/27/00 | 0.383 | 0.575 | 0.479 | 7 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9A | 0 | 09/30/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.575 | 1.20 | LANL Reg BG LVL | 0.57 | 1.0 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C2 | 3 | 3 | 04/23/08 | 0.429 | 0.688 | 0.504 | 3 | White Rock Canyon and Rio Grande | Regional Spring | Spring 9B | 0 | 09/30/09 | | F | CS | GENINORG | Fluoride | F(-1) | | 0.688 | 1.37 | LANL Reg BG LVL | 0.57 | 1.2 | 0.033 | mg/L | 1 | | | | EPA:300.0 | GELC | highest values suggest lab bias |
| C3 | 5 | 5 | 06/28/05 | 160 | 24400 | 2230 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Aluminum | Al | | 24400 | 10.94 | NM GW STD | 5000 | 9.8 | 68 | ug/L | 1 | | | | SW-846:6010B | GELC | turbidity was 108 NTU |
| C3 | 5 | 5 | 06/28/05 | 0.73 | 9.12 | 1.33 | 4 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Lead | Pb | | 9.12 | 6.86 | EPA MCL | 15 | 1.2 | 0.5 | ug/L | 1 | | | | SW-846:6020 | GELC | turbidity was 108 NTU |
| C3 | 6 | 6 | 06/22/08 | 27.4 | 147 | 54 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7a | 9.7 | 09/17/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 147 | 2.72 | NM GW STD | 250 | 1.2 | 0.66 | mg/L | 10 | | | | EPA:300.0 | GELC | due to road salt |
| C3 | 19 | 19 | 11/14/00 | 0.28 | 2.38 | 0.78 | 8 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | UF | CS | METALS | Beryllium | Be | | 2.38 | 3.05 | EPA MCL | 4 | 1.2 | 1 | ug/L | 1 | J | J | J_LAB | SW-846:6010B | GELC | Highest UF result, turbidity was 311 NTU |
| C3 | 19 | 19 | 11/14/00 | 0.72 | 17.3 | 3.6 | 13 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | UF | CS | METALS | Lead | Pb | | 17.3 | 4.81 | EPA MCL | 15 | 2.3 | 0.5 | ug/L | 1 | | | | SW-846:6020 | GELC | turbidity was 311 NTU |
| C3 | 3 | 4 | 01/05/09 | 1.94 | 5.37 | 3.66 | 2 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | METALS | Arsenic | As | | 5.37 | 1.47 | EPA MCL | 10 | 1.1 | 1.5 | ug/L | 1 | | | | SW-846:6020 | GELC | 3 results: rising concentrations |
| C3 | 7 | 12 | 07/01/06 | 2.62 | 4 | 3.7 | 5 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Regional | R-27 | 852 | 10/07/09 | | UF | CS | SVOA | Bis(2-ethylhexyl)phthalate | 117-81-7 | | 4 | 1.08 | EPA MCL | 6 | 1.3 | 2.3 | ug/L | 1 | J | J | J_LAB | SW-846:8270C | GELC | detected 4 times previously at similar levels |
| C3 | 7 | 7 | 10/23/01 | 1.63 | 1.63 | 1.63 | 1 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | UF | CS | SVOA | Dibenz(a,h)anthracene | 53-70-3 | | 1.63 | 1.00 | EPA TAP SCR N LVL C-5 | 0.029 | 112.4 | 0.22 | ug/L | 1 | | J | SV7c | SW-846:8270C | GELC | found in field blank for other locations on this date |
| C5 | 6 | 7 | 05/25/04 | 0.321 | 0.458 | 0.409 | 7 | Lower Los Alamos Canyon (San Ildefonso Pueblo) | Water Supply | LA-5 | 440 | 07/13/09 | | UF | CS | GENINORG | Perchlorate | ClO4 | | 0.393 | 0.96 | LANL Reg BG LVL | 0.05 | 3.9 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 5 | 5 | 06/28/05 | 37.2 | 90.5 | 68.1 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | GENINORG | Sodium | Na | | 56.3 | 0.83 | LANL Avl BG LVL | 15.54 | 1.8 | 0.1 | mg/L | 1 | | | | SW-846:6010B | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Port Depth | Start Date | Flt QC Type Code | Flt Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Symbol | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Concat Flag Code | Concat Reason Code | Anyl Meth Code | Lab Code | Comment |
|---------------|--------|---------|-------------|------------|------------|---------------|------------|--|---------------------|------------------|------------|------------|------------------|---------------|----------------------|-----------------|-----------------------------|-----------|--------|------------|---------------|--------------------|--------------|------------------|---------|---------|-----------------|---------------|------------------|--------------------|----------------|----------|---------------------------------|
| C5 | 5 | 5 | 06/28/05 | 11.7 | 374 | 39.4 | 4 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Zinc | Zn | | 62.9 | 1.60 | LANL Avl BG LVL | 2 | 15.7 | 3.3 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 12 | 12 | 06/21/05 | 0.262 | 0.474 | 0.312 | 12 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | PC Spring | 0 | 09/17/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.271 | 0.87 | LANL Int BG LVL | 0.05 | 2.7 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 13 | 24 | 06/20/05 | 0.113 | 0.405 | 0.244 | 24 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Homestead Spring | 0 | 09/16/09 | FD | F | CS | GENINORG | Perchlorate | ClO4 | | 0.114 | 0.47 | LANL Int BG LVL | 0.05 | 1.1 | 0.05 | ug/L | 1 | J | J | J_LAB | SW-846:6850 | GELC | |
| C5 | 13 | 24 | 06/20/05 | 0.113 | 0.405 | 0.244 | 24 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Homestead Spring | 0 | 09/16/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.113 | 0.46 | LANL Int BG LVL | 0.05 | 1.1 | 0.05 | ug/L | 1 | J | J | J_LAB | SW-846:6850 | GELC | |
| C5 | 13 | 13 | 06/21/05 | 0.173 | 0.457 | 0.262 | 13 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Starmer Spring | 0 | 09/16/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.173 | 0.66 | LANL Int BG LVL | 0.05 | 1.7 | 0.05 | ug/L | 1 | J | J | J_LAB | SW-846:6850 | GELC | |
| C5 | 12 | 12 | 08/22/06 | 0.324 | 0.633 | 0.399 | 12 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Anderson Spring | 0 | 09/15/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.374 | 0.94 | LANL Int BG LVL | 0.05 | 3.7 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 14 | 14 | 09/09/04 | 6.91 | 34.8 | 18.45 | 14 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Kieling Spring | 0 | 09/15/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 17.6 | 0.95 | LANL Int BG LVL | 7.78 | 1.1 | 0.33 | mg/L | 5 | | | | EPA:300.0 | GELC | |
| C5 | 13 | 13 | 06/20/05 | 0.377 | 0.804 | 0.474 | 13 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Kieling Spring | 0 | 09/15/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.474 | 1.00 | LANL Int BG LVL | 0.05 | 4.7 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 12 | 14 | 08/31/06 | 0.11 | 0.148 | 0.135 | 7 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Charlie's Spring | 0 | 09/16/09 | | F | CS | GENINORG | Bromide | Br(-1) | | 0.147 | 1.09 | LANL Int BG LVL | 0.03 | 2.5 | 0.066 | mg/L | 1 | J | J | J_LAB | EPA:300.0 | GELC | |
| C5 | 12 | 14 | 08/31/06 | 3.56 | 35.7 | 26.6 | 14 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Charlie's Spring | 0 | 09/16/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 32.6 | 1.23 | LANL Int BG LVL | 7.78 | 2.1 | 0.33 | mg/L | 5 | | | | EPA:300.0 | GELC | |
| C5 | 12 | 14 | 08/31/06 | 0.213 | 0.447 | 0.293 | 14 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Charlie's Spring | 0 | 09/16/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.259 | 0.88 | LANL Int BG LVL | 0.05 | 2.6 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 14 | 14 | 09/09/04 | 12.1 | 27.5 | 17 | 14 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Bulldog Spring | 0 | 09/15/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 19.8 | 1.16 | LANL Int BG LVL | 7.78 | 1.3 | 0.066 | mg/L | 1 | | | | EPA:300.0 | GELC | |
| C5 | 13 | 13 | 06/22/05 | 0.606 | 0.947 | 0.701 | 13 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Intermediate Spring | Bulldog Spring | 0 | 09/15/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.846 | 1.21 | LANL Int BG LVL | 0.05 | 8.5 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 6 | 6 | 06/22/08 | 0.251 | 0.308 | 0.278 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7a | 9.7 | 09/17/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.308 | 1.11 | LANL Avl BG LVL | 0.05 | 3.1 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 6 | 6 | 06/22/08 | 0.765 | 3.61 | 1.335 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7a | 9.7 | 09/17/09 | | F | CS | GENINORG | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | | 3.61 | 2.70 | LANL Avl BG LVL | 0.57 | 3.2 | 0.1 | mg/L | 10 | | | | EPA:353.2 | GELC | may be related to high chloride |
| C5 | 6 | 6 | 06/22/08 | 88.9 | 286 | 138 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7a | 9.7 | 09/17/09 | | F | CS | METALS | Barium | Ba | | 286 | 2.07 | LANL Avl BG LVL | 68.57 | 2.1 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | may be related to high chloride |
| C5 | 6 | 6 | 06/25/08 | 18.9 | 257 | 105.5 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Calcium | Ca | | 187 | 1.77 | LANL Avl BG LVL | 26.36 | 3.6 | 0.05 | mg/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 06/25/08 | 61.6 | 994 | 336.4 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 764 | 2.27 | LANL Avl BG LVL | 69.76 | 5.5 | 6.6 | mg/L | 100 | | | | EPA:300.0 | GELC | above standard |
| C5 | 6 | 6 | 06/25/08 | 0.204 | 0.279 | 0.241 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.279 | 1.16 | LANL Avl BG LVL | 0.05 | 2.8 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 6 | 6 | 06/25/08 | 4.54 | 17.5 | 9.37 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Potassium | K | | 15.8 | 1.69 | LANL Avl BG LVL | 5.21 | 1.5 | 0.05 | mg/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 06/25/08 | 5.06 | 71.5 | 30.27 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Magnesium | Mg | | 56 | 1.85 | LANL Avl BG LVL | 7.78 | 3.6 | 0.085 | mg/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 06/25/08 | 0.96 | 4.69 | 2.18 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Nitrate-Nitrite as Nitrogen | NO3+NO2-N | | 4.13 | 1.89 | LANL Avl BG LVL | 0.57 | 3.6 | 0.1 | mg/L | 10 | | | | EPA:353.2 | GELC | may be related to high chloride |
| C5 | 6 | 6 | 06/25/08 | 39.5 | 298 | 93 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Sodium | Na | | 211 | 2.27 | LANL Avl BG LVL | 15.54 | 6.8 | 0.1 | mg/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 06/25/08 | 235 | 2140 | 815 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | GENINORG | Total Dissolved Solids | TDS | | 1690 | 2.07 | LANL Avl BG LVL | 139 | 6.1 | 2.4 | mg/L | 1 | | | | EPA:160.1 | GELC | related to high chloride |
| C5 | 6 | 6 | 06/25/08 | 140 | 2580 | 707 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | METALS | Barium | Ba | | 1740 | 2.46 | LANL Avl BG LVL | 68.57 | 12.7 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | may be related to high chloride |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Port Depth | Start Date | Flt QC Type Code | Flt Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Symbol | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Concat Flag Code | Concat Reason Code | Anyl Meth Code | Lab Code | Comment |
|---------------|--------|---------|-------------|------------|------------|---------------|------------|---|---------------------|-----------------------|------------|------------|------------------|---------------|----------------------|-----------------|--------------|---------|--------|------------|---------------|--------------------|--------------|------------------|---------|---------|-----------------|---------------|------------------|--------------------|----------------|----------|---------|
| C5 | 6 | 6 | 06/25/08 | 6.8 | 609 | 12.9 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | METALS | Manganese | Mn | | 15.7 | 1.22 | LANL Avl BG LVL | 2 | 3.9 | 2 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 06/25/08 | 1.8 | 5.2 | 2.9 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | METALS | Nickel | Ni | | 3.92 | 1.35 | LANL Avl BG LVL | 1 | 2.0 | 0.5 | ug/L | 1 | | | | SW-846:6020 | GELC | |
| C5 | 6 | 6 | 06/25/08 | 145 | 2240 | 816 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | METALS | Strontium | Sr | | 1670 | 2.05 | LANL Avl BG LVL | 120 | 7.0 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 06/25/08 | 26.6 | 872 | 140 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7b2 | 10 | 09/15/09 | | F | CS | METALS | Zinc | Zn | | 137 | 0.98 | LANL Avl BG LVL | 2 | 34.3 | 3.3 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 7 | 9 | 01/23/07 | 0.158 | 0.419 | 0.391 | 9 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 10/09/09 | FD | F | CS | GENINORG | Perchlorate | ClO4 | | 0.407 | 1.04 | LANL Avl BG LVL | 0.05 | 4.1 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 7 | 9 | 01/23/07 | 0.158 | 0.419 | 0.391 | 9 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 10/09/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.419 | 1.07 | LANL Avl BG LVL | 0.05 | 4.2 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 33 | 37 | 03/23/00 | 2030 | 5150 | 3100 | 36 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 10/09/09 | | F | CS | METALS | Barium | Ba | | 3210 | 1.04 | LANL Avl BG LVL | 68.57 | 23.4 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 33 | 37 | 03/23/00 | 2030 | 5150 | 3100 | 36 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | CDV-16-02656 | 3 | 10/09/09 | FD | F | CS | METALS | Barium | Ba | | 3180 | 1.03 | LANL Avl BG LVL | 68.57 | 23.2 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 14 | 14 | 11/14/00 | 149 | 502 | 303 | 14 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Boron | B | | 170 | 0.56 | LANL Avl BG LVL | 51.89 | 1.6 | 15 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 18 | 18 | 11/14/00 | 29.4 | 1300 | 293 | 18 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Manganese | Mn | | 36.8 | 0.13 | LANL Avl BG LVL | 2 | 9.2 | 2 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 18 | 18 | 11/14/00 | 2.6 | 7.5 | 4.2 | 13 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Nickel | Ni | | 3.53 | 0.84 | LANL Avl BG LVL | 1 | 1.8 | 0.5 | ug/L | 1 | | | | SW-846:6020 | GELC | |
| C5 | 18 | 18 | 11/14/00 | 5.7 | 36.8 | 17.6 | 14 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Zinc | Zn | | 19.2 | 1.09 | LANL Avl BG LVL | 2 | 4.8 | 3.3 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 6 | 05/10/07 | 13.4 | 24 | 18.6 | 6 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | SWSC Spring | 0 | 10/15/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 19.1 | 1.03 | LANL Int BG LVL | 7.78 | 1.2 | 0.066 | mg/L | 1 | | J+ | l6b | EPA:300.0 | GELC | |
| C5 | 6 | 6 | 05/10/07 | 0.511 | 0.721 | 0.599 | 6 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | SWSC Spring | 0 | 10/15/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.721 | 1.20 | LANL Int BG LVL | 0.05 | 7.2 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 28 | 28 | 01/10/00 | 209 | 371 | 273 | 27 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | SWSC Spring | 0 | 10/15/09 | | F | CS | METALS | Barium | Ba | | 273 | 1.00 | LANL Int BG LVL | 71.83 | 1.9 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 7 | 12 | 01/29/07 | 13.9 | 24.7 | 21.3 | 12 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 10/15/09 | FD | F | CS | GENINORG | Chloride | Cl(-1) | | 19.5 | 0.92 | LANL Int BG LVL | 7.78 | 1.3 | 0.066 | mg/L | 1 | | J+ | l6b | EPA:300.0 | GELC | |
| C5 | 7 | 12 | 01/29/07 | 13.9 | 24.7 | 21.3 | 12 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 10/15/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 19.5 | 0.92 | LANL Int BG LVL | 7.78 | 1.3 | 0.066 | mg/L | 1 | | J+ | l6b | EPA:300.0 | GELC | |
| C5 | 7 | 12 | 01/29/07 | 0.518 | 0.715 | 0.586 | 12 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 10/15/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.715 | 1.22 | LANL Int BG LVL | 0.05 | 7.2 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 7 | 12 | 01/29/07 | 0.518 | 0.715 | 0.586 | 12 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 10/15/09 | FD | F | CS | GENINORG | Perchlorate | ClO4 | | 0.697 | 1.19 | LANL Int BG LVL | 0.05 | 7.0 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 51 | 65 | 01/10/00 | 146 | 256 | 180 | 59 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 10/15/09 | | F | CS | METALS | Barium | Ba | | 165 | 0.92 | LANL Int BG LVL | 71.83 | 1.2 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |

| Criteria Code | Visits | Samples | First Event | Min Detect | Max Detect | Median Detect | Num Detect | Hdr 1 | Zone | Location | Port Depth | Start Date | Flt QC Type Code | Flt Prep Code | Lab Sample Type Code | Anyl Suite Code | Analyte Desc | Analyte | Symbol | Std Result | Result/Median | LVL Type/Risk Code | Screen Level | Exceedance Ratio | Std Mdl | Std Uom | Dilution Factor | Lab Qual Code | Concat Flag Code | Concat Reason Code | Anyl Meth Code | Lab Code | Comment |
|---------------|--------|---------|-------------|------------|------------|---------------|------------|---|---------------------|------------------------|------------|------------|------------------|---------------|----------------------|-----------------|-----------------------|---------|--------|------------|---------------|---------------------|--------------|------------------|---------|---------|-----------------|---------------|------------------|--------------------|----------------|----------|---|
| C5 | 51 | 65 | 01/10/00 | 146 | 256 | 180 | 59 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate Spring | Burning Ground Spring | 0 | 10/15/09 | FD | F | CS | METALS | Barium | Ba | | 167 | 0.93 | LANL Int BG LVL | 71.83 | 1.2 | 1 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 3 | 4 | 01/05/09 | 0.208 | 0.255 | 0.229 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | GENINORG | Perchlorate | ClO4 | | 0.239 | 1.04 | LANL Int BG LVL | 0.05 | 2.4 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C5 | 3 | 4 | 01/05/09 | 22.9 | 102 | 93.4 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | METALS | Manganese | Mn | | 22.9 | 0.25 | LANL Int BG LVL | 2 | 5.7 | 2 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 3 | 4 | 01/05/09 | 32.3 | 40.3 | 35.1 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | METALS | Molybdenum | Mo | | 40.3 | 1.15 | LANL Int BG LVL | 2 | 10.1 | 0.1 | ug/L | 1 | | | | SW-846:6020 | GELC | |
| C5 | 3 | 4 | 01/05/09 | 1.6 | 3.12 | 1.82 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | METALS | Uranium | U | | 3.12 | 1.71 | LANL Int BG LVL | 0.72 | 2.2 | 0.05 | ug/L | 1 | | | | SW-846:6020 | GELC | highest result, increasing trend |
| C5 | 3 | 4 | 01/05/09 | 24.3 | 1420 | 737.1 | 4 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Intermediate | R-25b | 750 | 10/09/09 | | F | CS | METALS | Zinc | Zn | | 24.3 | 0.03 | LANL Int BG LVL | 2 | 6.1 | 3.3 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 4 | 6 | 09/14/06 | 0.772 | 1.95 | 1.26 | 5 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | UF | CS | GENINORG | Total Organic Carbon | TOC | | 0.795 | 0.63 | LANL Reg BG LVL | 0.33 | 1.2 | 0.33 | mg/L | 1 | J | J | J_LAB | SW-846:9060 | GELC | |
| C5 | 4 | 6 | 09/14/06 | 0.772 | 1.95 | 1.26 | 5 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | UF | CS | GENINORG | Total Organic Carbon | TOC | | 0.772 | 0.61 | LANL Reg BG LVL | 0.33 | 1.2 | 0.33 | mg/L | 1 | J | J | J_LAB | SW-846:9060 | GELC | |
| C5 | 7 | 11 | 10/23/01 | 36.3 | 221 | 100.1 | 8 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | F | CS | METALS | Iron | Fe | | 221 | 2.21 | LANL Reg BG LVL | 21 | 5.3 | 30 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 7 | 11 | 10/23/01 | 36.3 | 221 | 100.1 | 8 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | F | CS | METALS | Iron | Fe | | 185 | 1.85 | LANL Reg BG LVL | 21 | 4.4 | 30 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 7 | 11 | 10/23/01 | 32.8 | 197 | 192.5 | 8 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | | F | CS | METALS | Manganese | Mn | | 197 | 1.02 | LANL Reg BG LVL | 2.94 | 33.5 | 2 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 7 | 11 | 10/23/01 | 32.8 | 197 | 192.5 | 8 | White Rock Canyon and Rio Grande | Regional Spring | Sacred Spring | 0 | 09/22/09 | FD | F | CS | METALS | Manganese | Mn | | 195 | 1.01 | LANL Reg BG LVL | 2.94 | 33.2 | 2 | ug/L | 1 | | | | SW-846:6010B | GELC | |
| C5 | 6 | 7 | 08/24/04 | 9.8 | 12.5 | 11.8 | 7 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | F | CS | METALS | Uranium | U | | 10.1 | 0.86 | LANL Reg BG LVL | 1.9 | 2.7 | 0.05 | ug/L | 1 | | | | SW-846:6020 | GELC | naturally occurring |
| C5 | 7 | 7 | 09/26/05 | 7.19 | 7.9 | 7.61 | 7 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4B | 0 | 09/28/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 7.77 | 1.02 | LANL Reg BG LVL | 3.57 | 1.1 | 0.066 | mg/L | 1 | | | | EPA:300.0 | GELC | |
| C5 | 6 | 6 | 09/18/06 | 0.839 | 1.54 | 1.186 | 6 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4B | 0 | 09/28/09 | | UF | CS | GENINORG | Total Organic Carbon | TOC | | 0.839 | 0.71 | LANL Reg BG LVL | 0.33 | 1.3 | 0.33 | mg/L | 1 | J | J | J_LAB | SW-846:9060 | GELC | |
| C5 | 7 | 8 | 09/18/06 | 0.384 | 1.63 | 0.921 | 8 | White Rock Canyon and Rio Grande | Regional Spring | Spring 4AA | 0 | 09/28/09 | | UF | CS | GENINORG | Total Organic Carbon | TOC | | 1.24 | 1.35 | LANL Reg BG LVL | 0.33 | 1.9 | 0.33 | mg/L | 1 | | | | SW-846:9060 | GELC | |
| C5 | 6 | 6 | 09/19/06 | 0.399 | 1.33 | 0.825 | 5 | White Rock Canyon and Rio Grande | Regional Spring | Ancho Spring | 0 | 09/29/09 | | UF | CS | GENINORG | Total Organic Carbon | TOC | | 0.825 | 1.00 | LANL Reg BG LVL | 0.33 | 1.3 | 0.33 | mg/L | 1 | J | J | J_LAB | SW-846:9060 | GELC | |
| C5 | 6 | 6 | 05/26/04 | 0.292 | 0.372 | 0.337 | 6 | White Rock Canyon and Rio Grande | Water Supply | J. Martinez House Well | -1 | 07/14/09 | | UF | CS | GENINORG | Perchlorate | ClO4 | | 0.292 | 0.87 | LANL Reg BG LVL | 0.05 | 2.9 | 0.05 | ug/L | 1 | | | | SW-846:6850 | GELC | |
| C6 | 6 | 6 | 06/22/08 | 27.4 | 147 | 54 | 6 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial | PCAO-7a | 9.7 | 09/17/09 | | F | CS | GENINORG | Chloride | Cl(-1) | | 147 | 2.72 | NM GW STD | 250 | 1.2 | 0.66 | mg/L | 10 | | | | EPA:300.0 | GELC | due to road salt |
| CA | 5 | 5 | 06/28/05 | 160 | 24400 | 2230 | 5 | Pajarito Canyon (includes Twomile and Threemile Canyons) | Alluvial Spring | TW-1.72 Spring | 0 | 09/16/09 | | F | CS | METALS | Aluminum | Al | | 24400 | 10.94 | NM GW STD | 5000 | 4.9 | 68 | ug/L | 1 | | | | SW-846:6010B | GELC | turbidity was 108 NTU |
| CA | 18 | 18 | 11/14/00 | 103 | 11700 | 1850 | 18 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | F | CS | METALS | Aluminum | Al | | 11700 | 6.32 | NM GW STD | 5000 | 2.3 | 68 | ug/L | 1 | | | | SW-846:6010B | GELC | turbidity was 311 NTU |
| CA | 19 | 19 | 11/14/00 | 0.72 | 17.3 | 3.6 | 13 | Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons) | Alluvial | MSC-16-06294 | 2.5 | 10/14/09 | | UF | CS | METALS | Lead | Pb | | 17.3 | 4.81 | EPA MCL | 15 | 1.2 | 0.5 | ug/L | 1 | | | | SW-846:6020 | GELC | turbidity was 311 NTU |
| CA | 7 | 7 | 10/23/01 | 1.63 | 1.63 | 1.63 | 1 | White Rock Canyon and Rio Grande | Regional Spring | La Mesita Spring | 0 | 09/22/09 | | UF | CS | SVOA | Dibenz(a,h)anthracene | 53-70-3 | | 1.63 | 1.00 | EPA TAP SCRNLVL C-5 | 0.029 | 56.2 | 0.22 | ug/L | 1 | | J | SV7c | SW-846:8270C | GELC | found in field blank for other locations on this date |