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*Date:* September 26, 2008  
*Refer To:* EP2008-0522

James P. Bearzi, Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303

**Subject: Submittal of the Periodic Monitoring Reports for Mortandad, Sandia, Pajarito, Water, and White Rock Canyons**

**Reference: Letter, Stiger and Gregory to Bearzi, dated March 21, 2008 (EP2008-0145)**

Enclosed please find two hard copies with electronic files of the periodic monitoring reports for Mortandad, Sandia, Pajarito, Water, and White Rock Canyons. Submittal of these reports fulfills Section IV.A.3.b of the Consent Order and satisfies the fourth quarter 2008 reporting requirements. As noted in the above-referenced letter, the data for the fourth quarter 2008 reports were not loaded before database system management issues began on December 20, 2007. These data are now included in this submittal. (Quarterly reporting of periodic monitoring events was approved in the New Mexico Environment Department's approval of the 2007 Interim Facility-wide Groundwater Monitoring Plan.)

If you have questions, please contact Robert S. King at (505) 667-2491 (rsking@lanl.gov) or Nancy Werdel at (505) 665-3619 (nwerdel@doeal.gov).

Sincerely,

Susan G. Stiger, Associate Director  
Environmental Programs  
Los Alamos National Laboratory

Sincerely,

David R. Gregory, Project Director  
Environmental Operations  
Los Alamos Site Office

SG/DG/AS/RK:sm

Enclosures: Two hard copies with electronic files:

- 1) Periodic Monitoring Report for Mortandad Watershed, February 6–26, 2008 (EP2008-0484)
- 2) Periodic Monitoring Report for Pajarito Watershed, March 3–19, 2008 (EP2008-0499)
- 3) Periodic Monitoring Report for Sandia Watershed, February 6–26, 2008 (EP2008-0502)
- 4) Periodic Monitoring Report for Water Watershed, March 31–April 11, 2008 (EP2008-0505)
- 5) Periodic Monitoring Report for White Rock Watershed, April 23–30, 2008 (EP2008-0506)

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LA-UR-08-5847  
September 2008  
EP2008-0506

# **Periodic Monitoring Report for White Rock Watershed, April 23–April 30, 2008**

Prepared by the Environmental Programs Directorate

Los Alamos National Laboratory, operated by Los Alamos National Security, LLC, for the U.S. Department of Energy under Contract No. DE-AC52-06NA25396, has prepared this document pursuant to the Compliance Order on Consent, signed March 1, 2005. The Compliance Order on Consent contains requirements for the investigation and cleanup, including corrective action, of contamination at Los Alamos National Laboratory. The U.S. government has rights to use, reproduce, and distribute this document. The public may copy and use this document without charge, provided that this notice and any statement of authorship are reproduced on all copies.


# Periodic Monitoring Report for White Rock Watershed April 23–April 30, 2008

September 2008

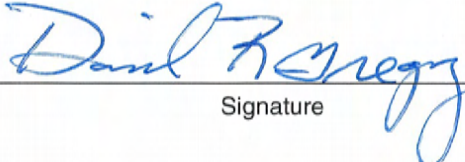
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## **EXECUTIVE SUMMARY**

The purpose of this report is to provide the results of the periodic monitoring event (PME) conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the White Rock Watershed. The PME for White Rock Watershed was conducted pursuant to the 2007 "Interim Facility-Wide Groundwater Monitoring Plan" prepared under the Compliance Order on Consent.

The PME documented in this report occurred from April 23–April 30, 2008. Thirteen springs were sampled as part of this PME. The waters from these springs are in general representative of the chemistry of the regional aquifer, although some influence of local recharge is apparent. These springs serve as the groundwater-monitoring locations for this watershed. No groundwater monitoring wells are presently installed in the White Rock Watershed. Unreported results from the previous PME are also included. These results were not available for inclusion in the previous PME because the data had not yet been validated.

Water samples obtained from various locations during this PME were analyzed for target analyte list metals, volatile organic compounds, semivolatile organic compounds, cyanide, pesticides, polychlorinated biphenyls, high explosives, radionuclides, low-level tritium, general inorganics, perchlorate, stable isotopes, and field parameters (alkalinity, dissolved oxygen, pH, specific conductance, temperature, and turbidity).

No analytes from this PME were detected above screening levels. Overall, one arsenic result of 10.3 µg/L at Spring 2 from a previously unreported groundwater sample from White Rock Canyon exceeded the screening level.





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## Acronyms and Abbreviations

AOC	area of concern
BCG	biota concentration guideline (DOE)
bgs	below ground surface
C	cancer (risk type)
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guidelines (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
HE	high explosive
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory (the Laboratory)
MCL	maximum contaminant level (EPA)
MDL	method detection limit
N	noncancer (risk type)
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act

RPF	Records Processing Facility
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TA	technical area
UF	unfiltered
VOC	volatile organic compound



## 1.0 INTRODUCTION

This report provides documentation of semiannual groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the White Rock Watershed pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan" (IFGMP) (LANL 2007, 096665), prepared under the Compliance Order on Consent (the Consent Order). This periodic monitoring event (PME) occurred from April 23 to April 30, 2008, and included sampling at 13 springs.

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

This report presents the following information:

- General background information on the watershed
- The watershed conceptual model
- Field-measurement monitoring results
- Water-quality monitoring results
- Results of the screening analysis (comparing the PME results with regulatory standards and results from previous reports)
- A summary and interpretation based on the data and the screening analysis

Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to the New Mexico Environment Department (NMED) in accordance with U.S. Department of Energy (DOE) policy. Data that were not reported in the previous periodic monitoring report (PMR) because they were being validated are included in Appendix D.

### 1.1 Background

This section describes the physical characteristics of the White Rock Watershed, some of the previous investigation activities conducted, and the Laboratory activities that may have impacted groundwater.

The Rio Grande flows from northeast to southwest next to the Laboratory and forms a part of the eastern Laboratory boundary. The White Rock Canyon springs are located along the Rio Grande at the eastern border of the Laboratory and on Los Alamos County and San Ildefonso Pueblo land. The springs serve as monitoring points to detect possible discharges of contaminated groundwater from beneath the Laboratory into the Rio Grande. The White Rock springs are one of the most frequently monitored locations in or adjacent to the Laboratory. Most of the major springs have been sampled regularly since the late 1960s, with some sampled since the early 1950s. From 1980 to 2005, over 25 sample collection rounds have been conducted at 60%. An analysis of the data shows that there is stability of chemical parameters in the 25-yr sampling record of White Rock Canyon springs.

Tritium operations took place at Technical Area 33 (TA-33) in the southern portion of the canyon that borders the Rio Grande. The "RFI Work Plan for OU 1122" (LANL 1992, 007671) describes environmental concerns at TA-33. To the north of TA-33 lies TA-70, a buffer area where no Laboratory activities have occurred. Adjoining TA-70 to the north are low- to moderate-density residential areas in

White Rock, a mix of private property and Los Alamos County land. A municipal sanitary treatment plant discharges effluent into Mortandad Canyon just above the river at the northern county boundary. San Ildefonso Pueblo property borders Los Alamos County on the north; this land is undeveloped. San Ildefonso Pueblo operates numerous water supply wells on both sides of the Rio Grande, and the City of Santa Fe operates the Buckman well field on the east side of the Rio Grande across from White Rock.

The springs in White Rock Canyon are largely remote from potential contamination and serve as boundary monitoring points for Laboratory impact. Little chemical variation occurs in the White Rock Canyon springs, which, along with chemical similarities, suggests that much of the groundwater is derived from the regional aquifer. No groundwater monitoring wells are installed in the White Rock Watershed.

## **1.2 Conceptual Model**

The conceptual model for the White Rock Watershed is presented in Appendix A of this document.

## **2.0 SCOPE OF ACTIVITIES**

The PME for the White Rock Watershed was conducted pursuant to the 2007 IFGMP.

Table 2.0-1 provides the location name, easting and northing, hydrogeologic zone, sample collection date, and instantaneous stream flow values for each spring. These locations are shown spatially in Figure 2.0-1. No surface water samples were collected for this PME.

## **3.0 MONITORING RESULTS**

### **3.1 Methods and Procedures**

All methods and procedures used to perform the field activities associated with the PME are documented in the 2007 IFGMP.

### **3.2 Field Parameter Results**

Appendix B contains the field parameter results for this PME and the previous three PMEs.

### **3.3 Water-Level Observations**

No information regarding water-level observations is included in this report because no groundwater monitoring wells are present in White Rock Canyon.

### **3.4 Deviations from Planned Scope**

Table 3.4-1 describes the deviations from the planned scope of the PME.

## 4.0 ANALYTICAL DATA RESULTS

### 4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2007 IFGMP.

### 4.2 Analytical Data

Appendix D presents the analytical data from this PME and from the last three sampling events immediately before the April 2008 sampling event. The screening levels to which the results are compared are presented in Table 4.2-1. The analytical laboratory reports (including chains of custody, etc.) can be found in Appendix G.

Appendix D contains all data obtained during the PME (that is, all data that have been independently reviewed for conformance with Laboratory requirements), with the following constraints.

- All data
  - ◆ Data that are R-qualified (rejected because of noncompliance regarding quality-control acceptance criteria) during independent validation are considered “not detected,” but are still reported. Analytical laboratory quality-control (QC) results, including matrix spike and matrix spike duplicates, are not included in the data set.
- Radionuclides
  - ◆ All low-detection-limit tritium data are reported. Results greater than 3 times the 1 standard deviation total propagated analytical uncertainty (or  $3\sigma$ ) are considered to be detections.
  - ◆ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
  - ◆ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
  - ◆ Otherwise, all detections are reported at all locations, that is, results without a laboratory qualifier of U or X (abbreviations that indicate that the analyte was not detected).
- Nonradionuclides
  - ◆ All results, excluding nondetections, are reported. Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, and different analytical methods are also reported.

The screening levels applied to all media are listed in Table 4.2-1, which also indicates the type of screening level and its source.

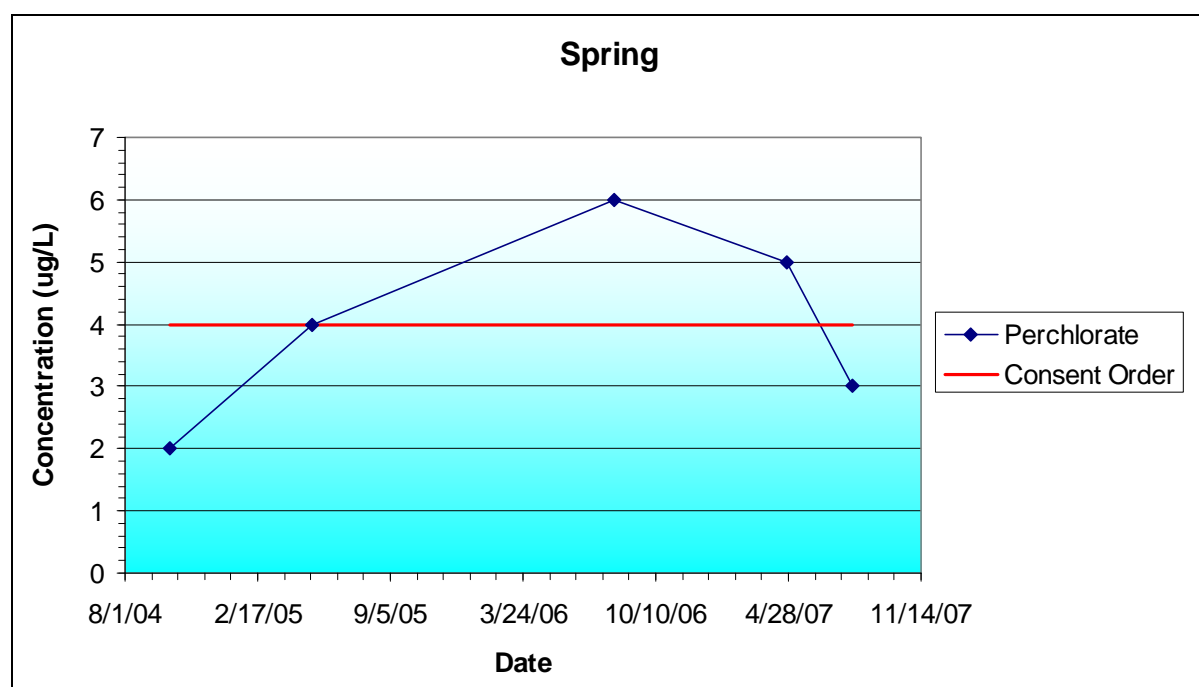
Data for PMRs are evaluated using the following screening process.

- Groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order. The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous phase liquids apply to the total unfiltered concentrations of the contaminants.

- As required by the Consent Order, the EPA Region 6 tap water screening levels are used for constituents having no other regulatory standard and for which toxicological information is published. For these screening levels, the tables indicate a risk type of C (excess cancer risk level of  $10^{-5}$ ) or N (noncancer). The Consent Order specifies screening for excess cancer risk at a risk level of  $10^{-5}$  (rather than  $10^{-6}$  as given in the EPA Region 6 tables). Therefore, the EPA Region 6 values were multiplied by 10 to obtain the  $10^{-5}$  excess cancer risk level.
- The analytical results for radioactivity are compared to the DOE Derived Concentration Guides (DCGs) for groundwater.

Tables E-1 through E-8 (Appendix E) show all values for perchlorate, radioactivity, and organic compounds, and all values greater than half the lowest applicable screening level for metals.

Analytical results are presented graphically in Figure 4.2-1. The figure contains diagrams displaying a series of select analytes. An example of a diagram displaying perchlorate concentration is shown below.



### Perchlorate concentration

The analytes displayed in Figure 4.2-1 were selected from data acquired during the PME. Diagrams are shown only for groundwater data. The analytes were chosen for display in Figure 4.2-1 because of their historical presence in groundwater in this watershed.

Analytes not shown on the diagrams were either not detected or were radionuclides. When shown, the solid red lines depict applicable screening levels. Note that some screening levels may exceed the highest concentration displayed and may not appear on the diagram. Screening level values are found in Tables E-1 through E-8 in Appendix E.

A summary of the results comparing the groundwater analytical data with screening levels is shown in Tables E-1 through E-8 (Appendix E). Graphical representations of select groundwater analytical results (section 4.2) are shown in Figure 4.2-1.



#### **4.2.1 Surface Water (Base Flow)**

No surface water locations were sampled for this monitoring event.

#### **4.2.2 Groundwater**

None of the groundwater sample results measured for this PME was above screening levels.

The arsenic concentration in a sample from Spring 2 of 10.3 µg/L was above the EPA MCL of 10 µg/L. Since 1998, arsenic concentrations in samples collected at Spring 2 ranged from nondetection (<6 µg/L) to 28 µg/L.

#### **4.3 Sampling Program Modifications**

No modifications to the periodic monitoring sampling for the White Rock Watershed are proposed at this time.

### **5.0 INVESTIGATION-DERIVED WASTE**

Appendix F discusses the management of wastes produced during this PME.

### **6.0 SUMMARY**

#### **6.1 Monitoring Results**

An evaluation of the field parameter monitoring results presented in Appendix B and subsequent monitoring events will be provided in the annual update to the IFGMP.

#### **6.2 Analytical Results**

##### **6.2.1 Surface Water (Base Flow)**

No surface water locations were included in this monitoring event.

##### **6.2.2 Groundwater**

The types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

None of the groundwater sample results measured from the current PME was above screening levels.

Overall, one result from groundwater samples previously unreported from the prior PME from White Rock Canyon exceeded screening levels (Table 4.2-2).

#### **6.3 Data Gaps**

A summary of the field parameter gaps encountered during the PME is presented in Table 3.4-1. The table provides a detailed account of sampling event deviations.

## 7.0 REFERENCES

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

*Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; the U.S. Department of Energy—Los Alamos Site Office; the U.S. Environmental Protection Agency, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.*

LANL (Los Alamos National Laboratory), May 1992. "RFI Work Plan for Operable Unit 1122," Los Alamos National Laboratory document LA-UR-92-925, Los Alamos, New Mexico. (LANL 1992, 007671)

LANL (Los Alamos National Laboratory), May 2007. "Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-07-3271, Los Alamos, New Mexico. (LANL 2007, 096665)

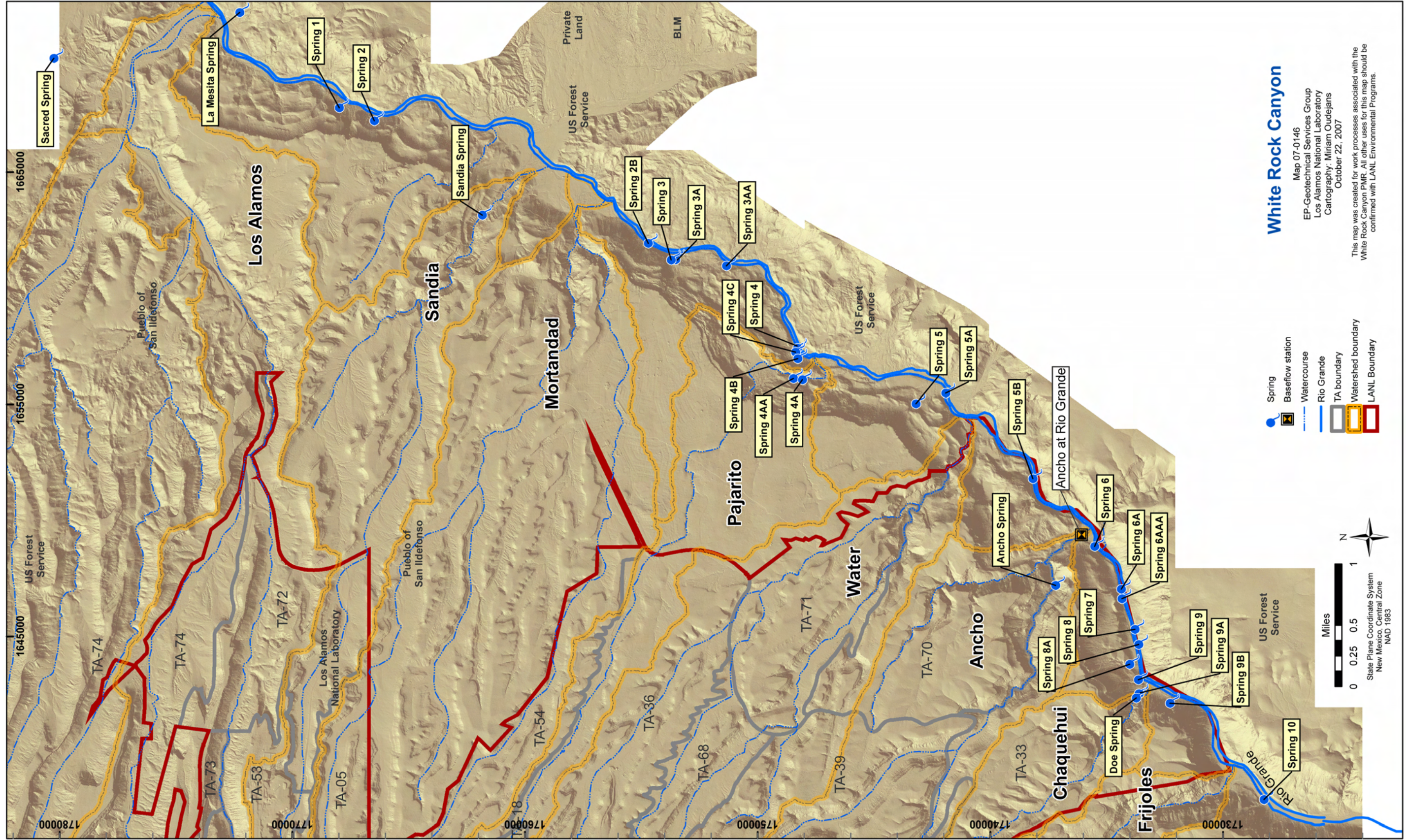


Figure 2.0-1 Watershed monitoring locations

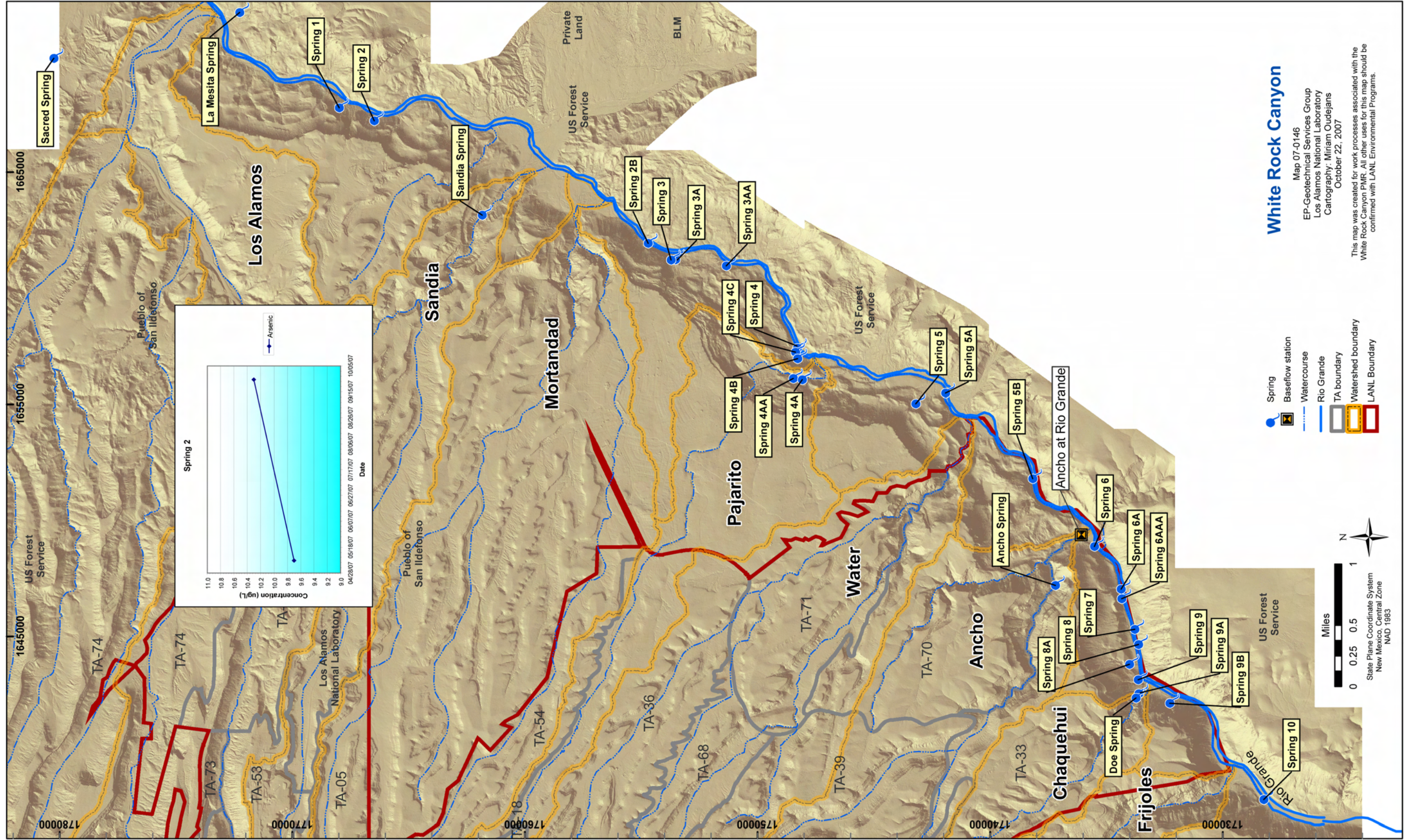


Figure 4.2-1 Analytical results

**Table 2.0-1  
Monitoring Locations and General Information**

Location	Sample Collection Date	Instantaneous Stream Flow (ft <sup>3</sup> /s)
<b>Base Flow</b>		
Ancho Spring	4/28/2008	0.002
Spring 10	4/23/2008	0.0006
Spring 2	4/28/08	0.0004
Spring 2B	4/23/08	No sample collected*
Spring 3	4/23/08	0.003
Spring 3A	4/23/2008	0.03
Spring 4	4/24/2008	0.03
Spring 4A	4/24/2008	0.01
Spring 4AA	4/24/2008	0.004
Spring 4B	4/24/2008	0.0008
Spring 4C	4/24/2008	0.02
Spring 5	4/30/2008	0.006
Spring 9B	4/23/2008	0.001

\* See Table 3.4-1.

**Table 3.4-1  
Observations and Deviations**

Location	Deviation	Cause	Comment
Spring 2B	No data are included in this report for this location.	The spring was not sampled because it was submerged by base flow.	Spring will be sampled again during next semiannual sampling round.

**Table 4.2-1  
Cleanup Standards, Risk-Based Screening Levels, and Risk-Based  
Cleanup Levels for Groundwater and Surface Water at Los Alamos National Laboratory**

Standard Type	Groundwater	Surface Water
DOE Biota Concentration Guidelines (BCGs)	n/a <sup>a</sup>	X <sup>b</sup>
DOE 100 mrem Public Dose DCG	X	n/a
DOE 4 mrem Drinking Water DCG	X	n/a
EPA MCL	X	n/a
EPA Region 6 Tap Water Screening Level	X	n/a
New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
NMWQCC Fisheries Standards Chronic	n/a	X
NMWQCC Fisheries Standards Chronic, Hardness = 100 mg/L	n/a	X
NMWQCC Groundwater Standard	X	n/a
NMWQCC Livestock Watering Standard	n/a	X
NMWQCC Wildlife Habitat Standard	n/a	X
NMWQCC Human Health Standard Ephemeral	n/a	X
NMWQCC Human Health Standard Perennial	n/a	X

<sup>a</sup> n/a = Not applicable.

<sup>b</sup> X = Standard applied to data screen for this report.

**Table 4.2-2  
Previously Unreported Results above Screening Levels for Groundwater**

Location	Date	Analyte	Result	Units	Screening Level	Screening Level Origin
<b>Regional Aquifer</b>						
Spring 2	09/24/07	Arsenic	10.3	µg/L	10	EPA MCL

# **Appendix A**

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## *Conceptual Model*





Canyon	Contaminant Sources	Alluvial Groundwater Contaminants	Intermediate Groundwater Contaminants	Regional Groundwater Contaminants
White Rock Canyon Springs	Sources in tributary canyons	No alluvial groundwater	Little intermediate groundwater	Natural fluoride, uranium, and trace of tritium



# **Appendix B**

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## *Field Parameter Results*



Location	Date	Field Matrix	Analyte	Result	Units	Sample
Ancho Spring	04/28/08	WG	Dissolved Oxygen	6.7	mg/L	CAWR-08-12119
Ancho Spring	05/02/07	WG	Dissolved Oxygen	5.84	mg/L	FU070400GSAW01
Ancho Spring	09/19/06	WG	Dissolved Oxygen	8.02	mg/L	FU060900GSAW01
Ancho Spring	09/25/07	WG	Dissolved Oxygen	7.25	mg/L	FU070900GSAW01
Ancho Spring	04/28/08	WG	Specific Conductance	120.2	µS/cm	CAWR-08-12119
Ancho Spring	05/02/07	WG	Specific Conductance	128.3	µS/cm	FU070400GSAW01
Ancho Spring	09/19/06	WG	Specific Conductance	135.2	µS/cm	FU060900GSAW01
Ancho Spring	02/02/05	WG	Specific Conductance	134.9	µS/cm	FN05010GSAW01
Ancho Spring	09/25/07	WG	Specific Conductance	124.4	µS/cm	FU070900GSAW01
Ancho Spring	04/28/08	WG	Temperature	21.2	deg C	CAWR-08-12119
Ancho Spring	05/02/07	WG	Temperature	20.8	deg C	FU070400GSAW01
Ancho Spring	09/19/06	WG	Temperature	20.7	deg C	FU060900GSAW01
Ancho Spring	02/02/05	WG	Temperature	19.1	deg C	FN05010GSAW01
Ancho Spring	09/25/07	WG	Temperature	22.1	deg C	FU070900GSAW01
Ancho Spring	04/28/08	WG	Turbidity	1.17	NTU	CAWR-08-12119
Ancho Spring	05/02/07	WG	Turbidity	21.7	NTU	FU070400GSAW01
Ancho Spring	09/19/06	WG	Turbidity	0.38	NTU	FU060900GSAW01
Ancho Spring	02/02/05	WG	Turbidity	4.79	NTU	FN05010GSAW01
Ancho Spring	09/25/07	WG	Turbidity	0.53	NTU	FU070900GSAW01
Ancho Spring	04/28/08	WG	pH	7.74	SU	CAWR-08-12119
Ancho Spring	05/02/07	WG	pH	7.48	SU	FU070400GSAW01
Ancho Spring	09/19/06	WG	pH	7.87	SU	FU060900GSAW01
Ancho Spring	02/02/05	WG	pH	8.01	SU	FN05010GSAW01
Ancho Spring	09/25/07	WG	pH	7.24	SU	FU070900GSAW01
Spring 10	04/23/08	WG	Dissolved Oxygen	3.36	mg/L	CAWR-08-12126
Spring 10	04/23/08	WG	Specific Conductance	156.9	µS/cm	CAWR-08-12126
Spring 10	04/23/08	WG	Temperature	23.4	deg C	CAWR-08-12126
Spring 10	04/23/08	WG	Turbidity	5.03	NTU	CAWR-08-12126
Spring 10	04/23/08	WG	pH	7.79	SU	CAWR-08-12126
Spring 10	09/27/00	WG	pH	7.67	SU	GM00091G01S
Spring 2	04/29/08	WG	Dissolved Oxygen	11.3	mg/L	CAWR-08-12092
Spring 2	05/07/07	WG	Dissolved Oxygen	7.9	mg/L	FU070400G2SW01
Spring 2	09/18/06	WG	Dissolved Oxygen	6.38	mg/L	FU060900G2SW01
Spring 2	09/26/05	WG	Dissolved Oxygen	7.46	mg/L	FU05090G2SW01
Spring 2	09/24/07	WG	Dissolved Oxygen	6.96	mg/L	FU070900G2SW01
Spring 2	04/29/08	WG	Specific Conductance	201	µS/cm	CAWR-08-12092
Spring 2	05/07/07	WG	Specific Conductance	243	µS/cm	FU070400G2SW01
Spring 2	09/18/06	WG	Specific Conductance	334	µS/cm	FU060900G2SW01
Spring 2	09/26/05	WG	Specific Conductance	243	µS/cm	FU05090G2SW01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 2	09/24/07	WG	Specific Conductance	297	µS/cm	FU070900G2SW01
Spring 2	04/29/08	WG	Temperature	12.2	deg C	CAWR-08-12092
Spring 2	05/07/07	WG	Temperature	12.5	deg C	FU070400G2SW01
Spring 2	09/18/06	WG	Temperature	25	deg C	FU060900G2SW01
Spring 2	09/26/05	WG	Temperature	15.6	deg C	FU05090G2SW01
Spring 2	09/24/07	WG	Temperature	15.2	deg C	FU070900G2SW01
Spring 2	04/29/08	WG	Turbidity	8.98	NTU	CAWR-08-12092
Spring 2	05/07/07	WG	Turbidity	4.13	NTU	FU070400G2SW01
Spring 2	09/18/06	WG	Turbidity	1.76	NTU	FU060900G2SW01
Spring 2	09/26/05	WG	Turbidity	31.6	NTU	FU05090G2SW01
Spring 2	09/24/07	WG	Turbidity	3.56	NTU	FU070900G2SW01
Spring 2	04/29/08	WG	pH	7.6	SU	CAWR-08-12092
Spring 2	05/07/07	WG	pH	8.17	SU	FU070400G2SW01
Spring 2	09/18/06	WG	pH	8.24	SU	FU060900G2SW01
Spring 2	09/26/05	WG	pH	7.69	SU	FU05090G2SW01
Spring 2	09/24/07	WG	pH	8.07	SU	FU070900G2SW01
Spring 3	04/23/08	WG	Dissolved Oxygen	8.82	mg/L	CAWR-08-12093
Spring 3	04/30/07	WG	Dissolved Oxygen	6.93	mg/L	FU070400G3SW01
Spring 3	09/18/06	WG	Dissolved Oxygen	7.04	mg/L	FU060900G3SW01
Spring 3	09/26/05	WG	Dissolved Oxygen	3.96	mg/L	FU05090G3SW01
Spring 3	09/24/07	WG	Dissolved Oxygen	6.2	mg/L	FU070900G3SW01
Spring 3	04/23/08	WG	Specific Conductance	189.6	µS/cm	CAWR-08-12093
Spring 3	04/30/07	WG	Specific Conductance	86.8	µS/cm	FU070400G3SW01
Spring 3	09/18/06	WG	Specific Conductance	188.2	µS/cm	FU060900G3SW01
Spring 3	09/26/05	WG	Specific Conductance	173.8	µS/cm	FU05090G3SW01
Spring 3	09/24/07	WG	Specific Conductance	193.6	µS/cm	FU070900G3SW01
Spring 3	04/23/08	WG	Temperature	19.7	deg C	CAWR-08-12093
Spring 3	04/30/07	WG	Temperature	19.5	deg C	FU070400G3SW01
Spring 3	09/18/06	WG	Temperature	20.8	deg C	FU060900G3SW01
Spring 3	09/26/05	WG	Temperature	20.5	deg C	FU05090G3SW01
Spring 3	09/24/07	WG	Temperature	19.6	deg C	FU070900G3SW01
Spring 3	04/23/08	WG	Turbidity	0.18	NTU	CAWR-08-12093
Spring 3	04/30/07	WG	Turbidity	1.14	NTU	FU070400G3SW01
Spring 3	09/18/06	WG	Turbidity	1.13	NTU	FU060900G3SW01
Spring 3	09/26/05	WG	Turbidity	8.8	NTU	FU05090G3SW01
Spring 3	09/24/07	WG	Turbidity	5.83	NTU	FU070900G3SW01
Spring 3	04/23/08	WG	pH	7.4	SU	CAWR-08-12093
Spring 3	04/30/07	WG	pH	7.43	SU	FU070400G3SW01
Spring 3	09/18/06	WG	pH	8.1	SU	FU060900G3SW01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 3	09/26/05	WG	pH	7.41	SU	FU05090G3SW01
Spring 3	09/24/07	WG	pH	6.85	SU	FU070900G3SW01
Spring 3A	04/23/08	WG	Dissolved Oxygen	9.29	mg/L	CAWR-08-12098
Spring 3A	04/30/07	WG	Dissolved Oxygen	6.84	mg/L	FU070400GA3S01
Spring 3A	09/18/06	WG	Dissolved Oxygen	6.47	mg/L	FU060900GA3S01
Spring 3A	09/26/05	WG	Dissolved Oxygen	6	mg/L	FU05090GA3S01
Spring 3A	09/24/07	WG	Dissolved Oxygen	6.2	mg/L	FU070900GA3S01
Spring 3A	04/23/08	WG	Specific Conductance	175.9	µS/cm	CAWR-08-12098
Spring 3A	04/30/07	WG	Specific Conductance	161.6	µS/cm	FU070400GA3S01
Spring 3A	09/18/06	WG	Specific Conductance	173.4	µS/cm	FU060900GA3S01
Spring 3A	09/26/05	WG	Specific Conductance	186.8	µS/cm	FU05090GA3S01
Spring 3A	09/24/07	WG	Specific Conductance	182.3	µS/cm	FU070900GA3S01
Spring 3A	04/23/08	WG	Temperature	21.4	deg C	CAWR-08-12098
Spring 3A	04/30/07	WG	Temperature	19.9	deg C	FU070400GA3S01
Spring 3A	09/18/06	WG	Temperature	19.9	deg C	FU060900GA3S01
Spring 3A	09/26/05	WG	Temperature	20.2	deg C	FU05090GA3S01
Spring 3A	09/24/07	WG	Temperature	20.9	deg C	FU070900GA3S01
Spring 3A	04/23/08	WG	Turbidity	0.19	NTU	CAWR-08-12098
Spring 3A	04/30/07	WG	Turbidity	0.19	NTU	FU070400GA3S01
Spring 3A	09/18/06	WG	Turbidity	0.3	NTU	FU060900GA3S01
Spring 3A	09/26/05	WG	Turbidity	0.23	NTU	FU05090GA3S01
Spring 3A	09/24/07	WG	Turbidity	1.58	NTU	FU070900GA3S01
Spring 3A	04/23/08	WG	pH	7.55	SU	CAWR-08-12098
Spring 3A	04/30/07	WG	pH	7.41	SU	FU070400GA3S01
Spring 3A	09/18/06	WG	pH	7.7	SU	FU060900GA3S01
Spring 3A	09/26/05	WG	pH	7.56	SU	FU05090GA3S01
Spring 3A	09/24/07	WG	pH	7.43	SU	FU070900GA3S01
Spring 4	04/24/08	WG	Dissolved Oxygen	10.2	mg/L	CAWR-08-12099
Spring 4	05/03/07	WG	Dissolved Oxygen	7.2	mg/L	FU070400G4SW01
Spring 4	09/18/06	WG	Dissolved Oxygen	6.98	mg/L	FU060900G4SW01
Spring 4	09/26/05	WG	Dissolved Oxygen	8.5	mg/L	FU05090G4SW01
Spring 4	09/24/07	WG	Dissolved Oxygen	4.98	mg/L	FU070900G4SW01
Spring 4	04/24/08	WG	Specific Conductance	170.4	µS/cm	CAWR-08-12099
Spring 4	05/03/07	WG	Specific Conductance	182.6	µS/cm	FU070400G4SW01
Spring 4	09/18/06	WG	Specific Conductance	176.2	µS/cm	FU060900G4SW01
Spring 4	09/26/05	WG	Specific Conductance	211	µS/cm	FU05090G4SW01
Spring 4	09/24/07	WG	Specific Conductance	208	µS/cm	FU070900G4SW01
Spring 4	04/24/08	WG	Temperature	17.2	deg C	CAWR-08-12099
Spring 4	05/03/07	WG	Temperature	15.9	deg C	FU070400G4SW01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 4	09/18/06	WG	Temperature	16.7	deg C	FU060900G4SW01
Spring 4	09/26/05	WG	Temperature	17.5	deg C	FU05090G4SW01
Spring 4	09/24/07	WG	Temperature	17.2	deg C	FU070900G4SW01
Spring 4	04/24/08	WG	Turbidity	2.4	NTU	CAWR-08-12099
Spring 4	05/03/07	WG	Turbidity	0.95	NTU	FU070400G4SW01
Spring 4	09/18/06	WG	Turbidity	0.45	NTU	FU060900G4SW01
Spring 4	09/26/05	WG	Turbidity	0.76	NTU	FU05090G4SW01
Spring 4	09/24/07	WG	Turbidity	3.94	NTU	FU070900G4SW01
Spring 4	04/24/08	WG	pH	7.1	SU	CAWR-08-12099
Spring 4	05/03/07	WG	pH	7.18	SU	FU070400G4SW01
Spring 4	09/18/06	WG	pH	7.15	SU	FU060900G4SW01
Spring 4	09/26/05	WG	pH	7.03	SU	FU05090G4SW01
Spring 4	09/24/07	WG	pH	6.9	SU	FU070900G4SW01
Spring 4A	04/24/08	WG	Dissolved Oxygen	7.57	mg/L	CAWR-08-12111
Spring 4A	09/18/06	WG	Dissolved Oxygen	7.83	mg/L	FU060900GA4S01
Spring 4A	09/27/05	WG	Dissolved Oxygen	7.71	mg/L	FU05090GA4S01
Spring 4A	07/28/05	WG	Dissolved Oxygen	7.28	mg/L	FU05070GA4S01
Spring 4A	09/24/07	WG	Dissolved Oxygen	7.4	mg/L	FU070900GA4S01
Spring 4A	04/24/08	WG	Specific Conductance	194.2	µS/cm	CAWR-08-12111
Spring 4A	09/18/06	WG	Specific Conductance	179.4	µS/cm	FU060900GA4S01
Spring 4A	09/27/05	WG	Specific Conductance	183.6	µS/cm	FU05090GA4S01
Spring 4A	09/24/07	WG	Specific Conductance	181.4	µS/cm	FU070900GA4S01
Spring 4A	04/24/08	WG	Temperature	21.1	deg C	CAWR-08-12111
Spring 4A	09/18/06	WG	Temperature	21	deg C	FU060900GA4S01
Spring 4A	09/27/05	WG	Temperature	21.1	deg C	FU05090GA4S01
Spring 4A	07/28/05	WG	Temperature	19.6	deg C	FU05070GA4S01
Spring 4A	09/24/07	WG	Temperature	21.2	deg C	FU070900GA4S01
Spring 4A	04/24/08	WG	Turbidity	9.3	NTU	CAWR-08-12111
Spring 4A	09/18/06	WG	Turbidity	0.18	NTU	FU060900GA4S01
Spring 4A	09/27/05	WG	Turbidity	0.19	NTU	FU05090GA4S01
Spring 4A	07/28/05	WG	Turbidity	1.02	NTU	FU05070GA4S01
Spring 4A	09/24/07	WG	Turbidity	0.14	NTU	FU070900GA4S01
Spring 4A	04/24/08	WG	pH	7.65	SU	CAWR-08-12111
Spring 4A	09/18/06	WG	pH	7.9	SU	FU060900GA4S01
Spring 4A	09/27/05	WG	pH	7.89	SU	FU05090GA4S01
Spring 4A	09/24/07	WG	pH	7.9	SU	FU070900GA4S01
Spring 4AA	04/24/08	WG	Dissolved Oxygen	7.37	mg/L	CAWR-08-12109
Spring 4AA	09/18/06	WG	Dissolved Oxygen	6.76	mg/L	FU060900GAA401
Spring 4AA	09/27/05	WG	Dissolved Oxygen	6.31	mg/L	FU05090GAA401



Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 4AA	07/26/05	WG	Dissolved Oxygen	6.09	mg/L	FU05070GAA401
Spring 4AA	09/24/07	WG	Dissolved Oxygen	5.2	mg/L	FU070900GAA401
Spring 4AA	04/24/08	WG	Specific Conductance	198.1	µS/cm	CAWR-08-12109
Spring 4AA	09/18/06	WG	Specific Conductance	194.4	µS/cm	FU060900GAA401
Spring 4AA	09/27/05	WG	Specific Conductance	201	µS/cm	FU05090GAA401
Spring 4AA	09/24/07	WG	Specific Conductance	203	µS/cm	FU070900GAA401
Spring 4AA	04/24/08	WG	Temperature	19.5	deg C	CAWR-08-12109
Spring 4AA	09/18/06	WG	Temperature	18.7	deg C	FU060900GAA401
Spring 4AA	09/27/05	WG	Temperature	19.1	deg C	FU05090GAA401
Spring 4AA	07/26/05	WG	Temperature	18.3	deg C	FU05070GAA401
Spring 4AA	09/24/07	WG	Temperature	18.9	deg C	FU070900GAA401
Spring 4AA	04/24/08	WG	Turbidity	7.59	NTU	CAWR-08-12109
Spring 4AA	09/18/06	WG	Turbidity	0.99	NTU	FU060900GAA401
Spring 4AA	09/27/05	WG	Turbidity	0.74	NTU	FU05090GAA401
Spring 4AA	07/26/05	WG	Turbidity	0.79	NTU	FU05070GAA401
Spring 4AA	09/24/07	WG	Turbidity	1.19	NTU	FU070900GAA401
Spring 4AA	04/24/08	WG	pH	7.53	SU	CAWR-08-12109
Spring 4AA	09/18/06	WG	pH	7.06	SU	FU060900GAA401
Spring 4AA	09/27/05	WG	pH	7.21	SU	FU05090GAA401
Spring 4AA	09/24/07	WG	pH	6.63	SU	FU070900GAA401
Spring 4B	04/24/08	WG	Dissolved Oxygen	8.7	mg/L	CAWR-08-12102
Spring 4B	05/01/07	WG	Dissolved Oxygen	7.24	mg/L	FU070400GB4S01
Spring 4B	09/18/06	WG	Dissolved Oxygen	7.93	mg/L	FU060900GB4S01
Spring 4B	09/26/05	WG	Dissolved Oxygen	6.75	mg/L	FU05090GB4S01
Spring 4B	09/25/07	WG	Dissolved Oxygen	6.7	mg/L	FU070900GB4S01
Spring 4B	04/24/08	WG	Specific Conductance	187.3	µS/cm	CAWR-08-12102
Spring 4B	05/01/07	WG	Specific Conductance	225	µS/cm	FU070400GB4S01
Spring 4B	09/18/06	WG	Specific Conductance	211	µS/cm	FU060900GB4S01
Spring 4B	09/26/05	WG	Specific Conductance	234	µS/cm	FU05090GB4S01
Spring 4B	09/25/07	WG	Specific Conductance	226	µS/cm	FU070900GB4S01
Spring 4B	04/24/08	WG	Temperature	17.8	deg C	CAWR-08-12102
Spring 4B	05/01/07	WG	Temperature	15.2	deg C	FU070400GB4S01
Spring 4B	09/18/06	WG	Temperature	14.6	deg C	FU060900GB4S01
Spring 4B	09/26/05	WG	Temperature	16.6	deg C	FU05090GB4S01
Spring 4B	09/25/07	WG	Temperature	17.4	deg C	FU070900GB4S01
Spring 4B	04/24/08	WG	Turbidity	4.48	NTU	CAWR-08-12102
Spring 4B	05/01/07	WG	Turbidity	16.4	NTU	FU070400GB4S01
Spring 4B	09/18/06	WG	Turbidity	9.1	NTU	FU060900GB4S01
Spring 4B	09/26/05	WG	Turbidity	11.4	NTU	FU05090GB4S01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 4B	09/25/07	WG	Turbidity	12.2	NTU	FU070900GB4S01
Spring 4B	04/24/08	WG	pH	7	SU	CAWR-08-12102
Spring 4B	05/01/07	WG	pH	7.89	SU	FU070400GB4S01
Spring 4B	09/18/06	WG	pH	8	SU	FU060900GB4S01
Spring 4B	09/26/05	WG	pH	7.82	SU	FU05090GB4S01
Spring 4B	09/25/07	WG	pH	7.64	SU	FU070900GB4S01
Spring 4C	04/24/08	WG	Dissolved Oxygen	10.5	mg/L	CAWR-08-12106
Spring 4C	05/01/07	WG	Dissolved Oxygen	7.69	mg/L	FU070400GC4S01
Spring 4C	09/19/06	WG	Dissolved Oxygen	7.96	mg/L	FU060900GC4S01
Spring 4C	09/27/05	WG	Dissolved Oxygen	7.89	mg/L	FU05090GC4S01
Spring 4C	09/25/07	WG	Dissolved Oxygen	8.42	mg/L	FU070900GC4S01
Spring 4C	04/24/08	WG	Specific Conductance	172.1	µS/cm	CAWR-08-12106
Spring 4C	05/01/07	WG	Specific Conductance	204	µS/cm	FU070400GC4S01
Spring 4C	09/19/06	WG	Specific Conductance	206	µS/cm	FU060900GC4S01
Spring 4C	09/27/05	WG	Specific Conductance	204	µS/cm	FU05090GC4S01
Spring 4C	09/25/07	WG	Specific Conductance	191.3	µS/cm	FU070900GC4S01
Spring 4C	04/24/08	WG	Temperature	17.3	deg C	CAWR-08-12106
Spring 4C	05/01/07	WG	Temperature	16.9	deg C	FU070400GC4S01
Spring 4C	09/19/06	WG	Temperature	16.8	deg C	FU060900GC4S01
Spring 4C	09/27/05	WG	Temperature	17	deg C	FU05090GC4S01
Spring 4C	09/25/07	WG	Temperature	18.1	deg C	FU070900GC4S01
Spring 4C	04/24/08	WG	Turbidity	0.84	NTU	CAWR-08-12106
Spring 4C	05/01/07	WG	Turbidity	0.28	NTU	FU070400GC4S01
Spring 4C	09/19/06	WG	Turbidity	0.22	NTU	FU060900GC4S01
Spring 4C	09/27/05	WG	Turbidity	0.4	NTU	FU05090GC4S01
Spring 4C	09/25/07	WG	Turbidity	0.32	NTU	FU070900GC4S01
Spring 4C	04/24/08	WG	pH	7.4	SU	CAWR-08-12106
Spring 4C	05/01/07	WG	pH	7.93	SU	FU070400GC4S01
Spring 4C	09/19/06	WG	pH	8.01	SU	FU060900GC4S01
Spring 4C	09/27/05	WG	pH	7.35	SU	FU05090GC4S01
Spring 4C	09/25/07	WG	pH	7.87	SU	FU070900GC4S01
Spring 5	04/30/08	WG	Dissolved Oxygen	8.8	mg/L	CAWR-08-12114
Spring 5	09/19/06	WG	Dissolved Oxygen	5.61	mg/L	FU060900G5SW01
Spring 5	09/27/05	WG	Dissolved Oxygen	10.76	mg/L	FU05090G5SW01
Spring 5	07/26/05	WG	Dissolved Oxygen	6.51	mg/L	FU05070G5SW01
Spring 5	06/02/05	WG	Dissolved Oxygen	5.1	mg/L	FU05040G5SW02
Spring 5	04/30/08	WG	Specific Conductance	163.2	µS/cm	CAWR-08-12114
Spring 5	09/19/06	WG	Specific Conductance	179	µS/cm	FU060900G5SW01
Spring 5	09/27/05	WG	Specific Conductance	174.5	µS/cm	FU05090G5SW01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 5	04/30/08	WG	Temperature	21.7	deg C	CAWR-08-12114
Spring 5	09/19/06	WG	Temperature	21.1	deg C	FU060900G5SW01
Spring 5	09/27/05	WG	Temperature	19.3	deg C	FU05090G5SW01
Spring 5	07/26/05	WG	Temperature	20.4	deg C	FU05070G5SW01
Spring 5	06/02/05	WG	Temperature	20.9	deg C	FU05040G5SW02
Spring 5	04/30/08	WG	Turbidity	1.48	NTU	CAWR-08-12114
Spring 5	09/19/06	WG	Turbidity	0.45	NTU	FU060900G5SW01
Spring 5	09/27/05	WG	Turbidity	0.64	NTU	FU05090G5SW01
Spring 5	07/26/05	WG	Turbidity	0.55	NTU	FU05070G5SW01
Spring 5	09/14/04	WG	Turbidity	3.94	NTU	FU04090G5SW01
Spring 5	04/30/08	WG	pH	7.5	SU	CAWR-08-12114
Spring 5	09/19/06	WG	pH	7.71	SU	FU060900G5SW01
Spring 5	09/27/05	WG	pH	8.13	SU	FU05090G5SW01
Spring 9B	04/23/08	WG	Dissolved Oxygen	5.1	mg/L	CAWR-08-12125
Spring 9B	04/23/08	WG	Specific Conductance	124.4	µS/cm	CAWR-08-12125
Spring 9B	04/23/08	WG	Temperature	20.9	deg C	CAWR-08-12125
Spring 9B	04/23/08	WG	Turbidity	10.3	NTU	CAWR-08-12125
Spring 9B	04/23/08	WG	pH	6.89	SU	CAWR-08-12125

µS/cm = Microsiemens per centimeter.

NTU = Nephelometric turbidity unit.

SU = Standard unit.

WG = Groundwater.



# **Appendix C**

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*Groundwater-Level Measurements  
(No groundwater monitoring wells in White Rock Watershed)*



# **Appendix D**

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*Analytical Results*





The following symbols, abbreviations, and acronyms are used throughout Appendix D.

—	none
*	(Inorganic) The result for this analyte in the Los Alamos National Laboratory (Laboratory) replicate analysis was outside acceptance criteria.
B	(Organic) This analyte was detected in the associated Laboratory method blank and the sample. (B) (Inorganic) The result for this analyte was greater than the instrument detection limit but less than the contract-required detection limit.
CS	client sample
CST	control sample triplicate
DUP	duplicate sample
E	(Organic) The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma–atomic emission spectroscopy). The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption) The result for this analyte failed one or more Contract Laboratory Program acceptance criteria as explained in the case narrative.
EES6	The Laboratory’s Earth and Environmental Sciences Division (Hydrology, Geochemistry, and Geology Group)
EPA	U.S. Environmental Protection Agency
F	filtered
FD	field duplicate
FTB	field trip blank
GELC	General Engineering Laboratories
GEO	Geochron Analytical Laboratory
H	(Organic/Inorganic) The required extraction or analysis holding time for this result was exceeded.
HUFFMAN	Huffman Analytical Laboratory
Inorg	inorganic
J	(Organic/Inorganic) The required extraction or analysis holding time for this result was exceeded.
J-	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias.
J+	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

LLEE	low-level electrolytic extraction
LT	(Rad) The result for this analyte is affected by spectral interference.
JN-	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias.
JN+	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected positive bias.
MDA	material disposal area
MDL	method detection limit
Met	metals
mV	millivolt
n/a	not applicable
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PARA	Paragon Analytical Laboratory
R	rejected
Rad	radionuclides
STSL	Severn Trent St. Louis Analytical Laboratory
SV	semivolatile organics
TPU	total propagated uncertainty
U	not detected
UF	unfiltered
UMTL	University of Miami Tritium Laboratory
VOA	volatile organic analysis
WG	groundwater
WM	snowmelt
WP	persistent water
WS	surface water

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.3	—	—	7.30E-01	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.7	—	—	7.25E-01	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.8	—	—	7.25E-01	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.9	—	—	7.25E-01	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.1	—	—	1.45E+00	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.6	—	—	7.25E-01	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	3.00E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	3.00E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	3.60E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	3.60E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.54E-03	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	3.00E-02	mg/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	3.00E-02	mg/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	3.60E-02	mg/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	3.60E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.29	—	—	6.60E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.17	—	—	6.60E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	3.22E-02	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	172456	GF060900GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00231	—	—	1.50E-03	mg/L	J	J	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	172456	GU060900GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS	—	Geninorg	SW-846:9012A	Cyanide (Total)	<	0.00172	—	—	1.72E-03	mg/L	U	UJ	130097	GU05010GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.327	—	—	3.30E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.327	—	—	3.30E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.384	—	—	3.30E-02	mg/L	—	U, J+	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.307	—	—	5.53E-02	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.411	—	—	3.30E-02	mg/L	—	U	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	4.30E-01	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.4	—	—	4.25E-01	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	4.40E-01	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.9	—	—	8.50E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	5.54E-03	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	4.30E-01	mg/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.6	—	—	4.25E-01	mg/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.7	—	—	4.40E-01	mg/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44	—	—	8.50E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.13	—	—	8.50E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.41	—	—	8.50E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	8.50E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.11	—	—	5.18E-03	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.83	—	—	8.50E-02	mg/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.29	—	—	8.50E-02	mg/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.99	—	—	8.50E-02	mg/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3	—	—	8.50E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.386	—	—	5.00E-02	ug/L	—	—	08-1071	CAWR-08-12117	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.333	—	—	5.00E-02	ug/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.364	—	—	5.00E-02	ug/L	—	J-	185416	GF070400GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172456	GF060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.3	—	—	5.00E-02	ug/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	130097	GU05010GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	130097	GU05010GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.66	—	—	5.00E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	5.00E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	1.65E-02	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	3.20E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	3.20E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	72	—	—	3.20E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	71.2	—	—	2.12E-02	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	3.20E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.84	—	—	4.50E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.44E-02	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.98	—	—	4.50E-02	mg/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	4.50E-02	mg/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	uS/cm	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	141	—	—	1.00E+00	uS/cm	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	SW-846:9050A	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.59	—	—	1.00E-01	mg/L	—	J-	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.62	—	—	1.00E-01	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.65	—	—	1.00E-01	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.59	—	—	1.00E-01	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.61	—	—	1.93E-01	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.56	—	—	1.00E-01	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.38E+00	mg/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.38E+00	mg/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.38E+00	mg/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.38E+00	mg/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	131	—	—	3.07E+00	mg/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.045	—	—	2.90E-02	mg/L	J	JN-	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.036	—	—	1.00E-02	mg/L	J	JN-	172456	GF060900GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.085	—	—	2.90E-02	mg/L	J	J	08-1071	CAWR-08-12119	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.064	—	—	1.00E-02	mg/L	J	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.33	—	—	3.30E-01	mg/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.454	—	—	3.30E-01	mg/L	J	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.399	—	—	3.30E-01	mg/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.737	—	—	3.30E-01	mg/L	J	U	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.058	—	—	2.40E-02	mg/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.041	—	—	2.40E-02	mg/L	J	U	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.059	—	—	2.40E-02	mg/L	—	U	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01	—	—	1.00E-02	mg/L	U	R, UJ	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	1.10E-02	mg/L	J	—	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01	—	—	1.00E-02	mg/L	U	R, UJ	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J-	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.76	—	—	1.00E-02	SU	H	J	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.15	—	—	—	SU	H	J	130097	GF05010GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	ug/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.6	—	—	1.00E+00	ug/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.7	—	—	2.22E-01	ug/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	ug/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	ug/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.7	—	—	1.00E+00	ug/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	ug/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.00E+01	ug/L	J	J	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	12.9	—	—	1.00E+01	ug/L	J	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.3	—	—	1.00E+01	ug/L	J	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	13.9	—	—	1.00E+01	ug/L	J	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.1	—	—	4.88E+00	ug/L	J	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.00E+01	ug/L	J	J	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.6	—	—	1.00E+01	ug/L	J	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.2	—	—	1.00E+01	ug/L	J	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.9	—	—	1.00E+01	ug/L	J	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	ug/L	J	J	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.9	—	—	1.00E+00	ug/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.8	—	—	1.00E+00	ug/L	J	JN-	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	<	3.8	—	—	5.03E-01	ug/L	J	U	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.3	—	—	2.50E+00	ug/L	J	J	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.5	—	—	1.00E+00	ug/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	1.00E+00	ug/L	—	JN-	172456	GU060900GSAW01	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	ug/L	U	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	52.4	—	—	1.80E+01	ug/L	J	U	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	12.6	—	—	1.26E+01	ug/L	U	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	30.8	—	—	2.50E+01	ug/L	J	J	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	ug/L	U	—	194658	GU070900GSAW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.3	—	—	1.80E+01	ug/L	J	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2.1	—	—	2.00E+00	ug/L	J	U, J+	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.5	—	—	1.43E+00	ug/L	J	U	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	4.1	—	—	2.00E+00	ug/L	J	J+, U	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	3.20E-02	mg/L	E	J	08-1071	CAWR-08-12117	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	ug/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.2	—	—	1.00E+00	ug/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	ug/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.5	—	—	1.00E+00	ug/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.3	—	—	1.78E-01	ug/L	—	—	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.2	—	—	1.00E+00	ug/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	ug/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.6	—	—	1.00E+00	ug/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.35	—	—	5.00E-02	ug/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.27	—	—	5.00E-02	ug/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.31	—	—	5.00E-02	ug/L	—	—	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	ug/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	ug/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.27	—	—	5.00E-02	ug/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.35	—	—	5.00E-02	ug/L	—	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.25	—	—	5.00E-02	ug/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.3	—	—	1.00E+00	ug/L	—	—	08-1071	CAWR-08-12117	GELC
Ancho Spring	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.3	—	—	1.00E+00	ug/L	—	—	194658	GF070900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	ug/L	—	J+	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	ug/L	—	—	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	7.6	—	—	6.06E-01	ug/L	—	U	130097	GF05010GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.8	—	—	1.00E+00	ug/L	—	—	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	ug/L	—	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	7.1	—	—	1.00E+00	ug/L	—	U	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	ug/L	—	—	172456	GU060900GSAW01	GELC
Ancho Spring	04/28/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	2.3	—	—	1.30E+00	ug/L	J	J	08-1071	CAWR-08-12119	GELC
Ancho Spring	09/25/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	194658	GU070900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	172456	GU060900GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	—	ug/L	U	—	130097	GU05010GSAW01	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.6	—	—	7.30E-01	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SM:A2320B	Alkalinity-CO3+HCO3	—	88.7	—	—	1.00E+00	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	3.00E-02	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	3.55E-02	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	3.00E-02	mg/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2	—	—	6.60E-02	mg/L	—	J	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:9056	Chloride	—	2.21	—	—	2.60E-02	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.533	—	—	3.30E-02	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	EPA:340.2	Fluoride	—	0.529	—	—	7.00E-03	mg/L	—	—	32208	GM00091G01S	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 10	04/23/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.4	—	—	4.30E-01	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75	—	—	1.03E-01	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	4.30E-01	mg/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	3.54E-03	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.181	—	—	5.00E-02	ug/L	J	J	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	UF	CS	—	Geninorg	EPA:314.0	Perchlorate	<	1.04	—	—	1.04E+00	ug/L	U	—	32223	GM00091G01S	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	E	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	1.64E-02	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.11	—	—	5.00E-02	mg/L	E	J	08-1051	CAWR-08-12126	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	1.86E-02	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.30E-02	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:9050A	Specific Conductance	—	144	—	—	1.00E+00	uS/cm	—	—	32208	GM00091G01S	GELC
Spring 10	09/27/00	WG	F	DUP	—	Geninorg	SW-846:9050A	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.1	—	—	1.00E-01	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	SW-846:9056	Sulfate	—	2.02	—	—	7.90E-02	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.6	—	—	1.10E+00	mg/L	J	J	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	J	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	6.29E+00	mg/L	—	—	32208	GM00091G01S	GELC
Spring 10	09/27/00	WG	F	DUP	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	6.29E+00	mg/L	—	J	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.065	—	—	2.90E-02	mg/L	J	J	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.694	—	—	3.30E-01	mg/L	J	J	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J-	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	19.9	—	—	2.34E+01	ug/L	B	U	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	588	—	—	6.80E+01	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.8	—	—	1.00E+00	ug/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.7	—	—	7.48E-01	ug/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.5	—	—	1.00E+00	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	130	—	—	1.99E+01	ug/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	396	—	—	2.50E+01	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	27.7	—	—	2.00E+00	ug/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	358	—	—	1.15E+00	ug/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	33.5	—	—	2.00E+00	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.8	—	—	3.20E-02	mg/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.3	—	—	1.00E+00	ug/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	4.69E-01	ug/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.6	—	—	1.00E+00	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.019	—	—	1.40E-02	ug/L	UN	UJ	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.61	—	—	3.00E-01	ug/L	J	J	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	ug/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.26	—	—	5.00E-02	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.08	—	—	8.90E-01	ug/L	—	—	32208	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.6	—	—	1.00E+00	ug/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00357	1.13E-03	6.00E-02	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Americium-241	<	-2.35	2.17E+00	1.92E+01	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	Alpha-Spec	Americium-241	—	0.0283	3.60E-03	1.09E-02	—	pCi/L	—	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000682	1.40E-03	5.40E-02	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.579	3.67E-01	3.60E+00	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.592	3.27E-01	3.85E+00	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.36	4.00E-01	4.50E+00	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.214	3.67E-01	3.70E+00	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.258	3.03E-01	3.41E+00	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.172	3.33E-01	3.40E+00	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	115	2.93E+01	2.20E+02	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	82.8	3.03E+01	2.90E+02	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.6	2.70E+00	2.50E+01	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.51	2.24E+00	2.45E+01	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.35	2.67E+00	2.50E+01	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0115	2.30E-03	4.10E-02	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	Alpha-Spec	Plutonium-238	—	0.0323	3.90E-03	9.73E-03	—	pCi/L	—	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00237	2.37E-03	4.20E-02	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00231	1.73E-03	4.00E-02	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	Alpha-Spec	Plutonium-239/240	—	0.0143	2.48E-03	9.72E-03	—	pCi/L	—	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00237	2.37E-03	4.20E-02	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-20	6.00E+00	5.80E+01	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.06	2.90E+00	3.61E+01	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.16	5.33E+00	3.20E+01	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.733	3.03E-01	2.70E+00	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.796	2.95E-01	3.16E+00	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	3.67E-01	3.70E+00	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0241	1.83E-02	1.90E-01	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0927	3.43E-02	3.49E-01	—	pCi/L	—	U	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0464	1.60E-02	1.60E-01	—	pCi/L	U	U	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.398	1.47E-02	1.30E-01	—	pCi/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	Alpha-Spec	Uranium-234	—	0.427	2.40E-02	1.82E-01	—	pCi/L	—	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.366	1.27E-02	1.00E-01	—	pCi/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00807	3.67E-03	6.00E-02	—	pCi/L	U	U	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	Alpha-Spec	Uranium-235/236	<	0.0301	8.07E-03	1.20E-01	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0518	4.67E-03	4.80E-02	—	pCi/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.153	8.67E-03	7.90E-02	—	pCi/L	—	—	08-1051	CAWR-08-12127	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	EPA:901.1	Uranium-238	<	132	2.29E+01	1.44E+02	—	pCi/L	U	—	32009	GM00091G01S	GELC
Spring 10	09/27/00	WG	F	CS	—	Rad	Alpha-Spec	Uranium-238	—	0.257	1.67E-02	9.09E-02	—	pCi/L	—	—	32009	GM00091G01S	GELC
Spring 10	04/23/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.204	8.67E-03	6.40E-02	—	pCi/L	—	—	08-1051	CAWR-08-12126	GELC
Spring 10	04/23/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	1.88	—	—	1.30E+00	ug/L	J	J	08-1051	CAWR-08-12126	GELC
Spring 2	09/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	288	—	—	1.00E+00	uS/cm	—	—	194451	GF070900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	274	—	—	1.00E+00	uS/cm	—	—	185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	338	—	—	1.00E+00	uS/cm	—	—	172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	230	—	—	1.00E+00	uS/cm	—	—	146657	GF050900G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	333	—	—	1.00E+00	uS/cm	—	—	172166	GU060900G2SW01	GELC
Spring 2	09/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J	194451	GF070900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J	185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.58	—	—	1.00E-02	SU	H	J	172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.32	—	—	1.00E-02	SU	H	J	146657	GF050900G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	8.62	—	—	1.00E-02	SU	H	J	172166	GU060900G2SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.2	—	—	7.30E-01	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.6	—	—	7.25E-01	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.5	—	—	7.25E-01	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.4	—	—	7.25E-01	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.2	—	—	1.45E+00	mg/L	—	—	146887	GF050900G3SW01	GELC



Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85	—	—	7.25E-01	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.5	—	—	3.00E-02	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	3.00E-02	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	3.60E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.60E-02	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.60E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	FB	Geninorg	SW-846:6010B	Calcium	—	0.0494	—	—	3.00E-02	mg/L	J	J	08-1048	CAWR-08-12134	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	3.00E-02	mg/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.5	—	—	3.60E-02	mg/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	3.60E-02	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.7	—	—	3.60E-02	mg/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.01	—	—	6.60E-02	mg/L	—	J	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.56	—	—	6.60E-02	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.85	—	—	6.60E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.04	—	—	6.60E-02	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.03	—	—	5.30E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	5.05	—	—	6.60E-02	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.475	—	—	3.30E-02	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.395	—	—	3.30E-02	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.419	—	—	3.30E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.449	—	—	3.30E-02	mg/L	—	U	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.453	—	—	3.00E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.447	—	—	3.30E-02	mg/L	—	U	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.1	—	—	4.30E-01	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.5	—	—	4.25E-01	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.8	—	—	4.40E-01	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	8.50E-02	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	8.50E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.4	—	—	4.30E-01	mg/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	66.3	—	—	4.25E-01	mg/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.1	—	—	4.40E-01	mg/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.1	—	—	8.50E-02	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.6	—	—	8.50E-02	mg/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.07	—	—	8.50E-02	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.99	—	—	8.50E-02	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.89	—	—	8.50E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.92	—	—	8.50E-02	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.93	—	—	8.50E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.06	—	—	8.50E-02	mg/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.03	—	—	8.50E-02	mg/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.91	—	—	8.50E-02	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.16	—	—	8.50E-02	mg/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.31	—	—	5.00E-02	mg/L	—	J	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	J	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.84	—	—	5.00E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	1.40E-02	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.22	—	—	1.70E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	1.40E-02	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.44	—	—	5.00E-02	ug/L	—	J	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.44	—	—	5.00E-02	ug/L	—	—	194647	GF070900G3SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.458	—	—	5.00E-02	ug/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172500	GF060900G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.394	—	—	5.00E-02	ug/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.419	—	—	5.00E-02	ug/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.91	—	—	5.00E-02	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	E	J	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.94	—	—	5.00E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.19	—	—	5.00E-02	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.2	—	—	5.00E-02	mg/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.61	—	—	5.00E-02	mg/L	E	J	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.19	—	—	5.00E-02	mg/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	5.00E-02	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.1	—	—	5.00E-02	mg/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	50	—	—	3.20E-02	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	47	—	—	3.20E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	41.8	—	—	3.20E-02	mg/L	E	J	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	51.1	—	—	3.20E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	47.7	—	—	3.20E-02	mg/L	E	J	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	57.4	—	—	3.20E-02	mg/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	4.50E-02	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	4.50E-02	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	4.50E-02	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	E	J	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	4.50E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	4.50E-02	mg/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	4.50E-02	mg/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	4.50E-02	mg/L	E	J	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	4.50E-02	mg/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00E+00	uS/cm	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	218	—	—	1.00E+00	uS/cm	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	192	—	—	1.00E+00	uS/cm	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	216	—	—	1.00E+00	uS/cm	—	—	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.06	—	—	1.00E-01	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.59	—	—	1.00E-01	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.99	—	—	1.00E-01	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.93	—	—	1.00E-01	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.14	—	—	5.70E-02	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.95	—	—	1.00E-01	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	J	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.38E+00	mg/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.38E+00	mg/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.38E+00	mg/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.38E+00	mg/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.38E+00	mg/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.106	—	—	2.90E-02	mg/L	—	U	185264	GF070400G3SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	1.00E-02	mg/L	U	UJ	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.192	—	—	4.00E-02	mg/L	J	J+	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.059	—	—	2.90E-02	mg/L	J	J	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.07	—	—	2.90E-02	mg/L	J	JN-	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.032	—	—	2.90E-02	mg/L	J	U	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.086	—	—	1.00E-02	mg/L	J	J+	172500	GU060900G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.528	—	—	3.30E-01	mg/L	J	J	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.33	—	—	3.30E-01	mg/L	U	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.217	—	—	3.30E-01	mg/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.33	—	—	3.30E-01	mg/L	U	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.79	—	—	3.30E-01	mg/L	J	—	172334	GU060900G3SW02	GELC
Spring 3	04/23/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.68	—	—	1.00E-02	SU	H	J	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.1	—	—	1.00E-02	SU	H	J	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J	172500	GU060900G3SW01	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	186	—	—	6.80E+01	ug/L	J	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	506	—	—	6.80E+01	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	641	—	—	6.80E+01	ug/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1410	—	—	6.80E+01	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.1	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.6	—	—	1.00E+00	ug/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45	—	—	1.00E+00	ug/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45	—	—	1.00E+00	ug/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.3	—	—	1.00E+00	ug/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.1	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	52.6	—	—	1.00E+00	ug/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	48	—	—	1.00E+00	ug/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.7	—	—	1.00E+00	ug/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	55.9	—	—	1.00E+00	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.7	—	—	2.50E+00	ug/L	J	J	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.5	—	—	1.00E+00	ug/L	—	JN-	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.9	—	—	1.00E+00	ug/L	—	U	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.4	—	—	1.00E+00	ug/L	—	U	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	4.1	—	—	1.00E+00	ug/L	J	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	2.50E+00	ug/L	J	J	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	1.00E+00	ug/L	—	JN-	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7	—	—	1.00E+00	ug/L	—	U	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.9	—	—	1.00E+00	ug/L	—	U	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	7.7	—	—	1.00E+00	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	54.7	—	—	2.50E+01	ug/L	J	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	23	—	—	1.80E+01	ug/L	J	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	122	—	—	1.80E+01	ug/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	380	—	—	2.50E+01	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	517	—	—	2.50E+01	ug/L	—	—	194647	GU070900G3SW02	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	28.4	—	—	1.80E+01	ug/L	J	U	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	64	—	—	1.80E+01	ug/L	J	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	999	—	—	1.80E+01	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	33	—	—	2.00E+00	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.3	—	—	2.00E+00	ug/L	J	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	14.8	—	—	2.00E+00	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	49	—	—	3.20E-02	mg/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	236	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	240	—	—	1.00E+00	ug/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	231	—	—	1.00E+00	ug/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	226	—	—	1.00E+00	ug/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	240	—	—	1.00E+00	ug/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.1	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	240	—	—	1.00E+00	ug/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	246	—	—	1.00E+00	ug/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	237	—	—	1.00E+00	ug/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	243	—	—	1.00E+00	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.1	—	—	5.00E-02	ug/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.1	—	—	5.00E-02	ug/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	5.00E-02	ug/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	5.00E-02	ug/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.1	—	—	5.00E-02	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.3	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12095	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.5	—	—	1.00E+00	ug/L	—	—	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.9	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15	—	—	1.00E+00	ug/L	—	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.4	—	—	1.00E+00	ug/L	—	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	16.8	—	—	1.00E+00	ug/L	—	—	146887	GU05090G3SW01	GELC
Spring 3	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	194647	GF070900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.4	—	—	2.00E+00	ug/L	J	U	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	146887	GF05090G3SW01	GELC
Spring 3	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.3	—	—	2.00E+00	ug/L	J	J	08-1048	CAWR-08-12093	GELC
Spring 3	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	ug/L	U	—	194647	GU070900G3SW02	GELC
Spring 3	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.2	—	—	2.00E+00	ug/L	J	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	4	—	—	2.00E+00	ug/L	J	U	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.2	—	—	2.00E+00	ug/L	J	—	146887	GU05090G3SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3	04/23/08	WG	UF	CS	FB	Voa	SW-846:8260B	Acetone	—	1.8	—	—	1.30E+00	ug/L	J	J	08-1047	CAWR-08-12134	GELC
Spring 3	09/24/07	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.25E+00	ug/L	U	—	194557	GU070900G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.25E+00	ug/L	U	—	185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.25E+00	ug/L	U	—	172334	GU060900G3SW02	GELC
Spring 3	09/26/05	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	—	ug/L	U	—	146712	GU050900G3SW02	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80	—	—	7.25E-01	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.8	—	—	7.25E-01	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.8	—	—	7.25E-01	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.2	—	—	1.45E+00	mg/L	—	—	146887	GF050900GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.3	—	—	7.25E-01	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.0756	—	—	6.70E-02	mg/L	J	J	08-1048	CAWR-08-12129	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.081	—	—	6.60E-02	mg/L	J	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.041	—	—	4.10E-02	mg/L	U	—	146887	GF050900GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	22	—	—	3.00E-02	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	3.60E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.8	—	—	3.60E-02	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	3.60E-02	mg/L	—	—	146887	GF050900GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	3.00E-02	mg/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	3.00E-02	mg/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	3.00E-02	mg/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.60E-02	mg/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.4	—	—	3.60E-02	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	3.60E-02	mg/L	—	—	146887	GU050900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	3.96	—	—	6.60E-02	mg/L	—	J	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.94	—	—	6.60E-02	mg/L	—	J	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.8	—	—	6.60E-02	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.94	—	—	6.60E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4	—	—	6.60E-02	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.95	—	—	5.30E-02	mg/L	—	—	146887	GF050900GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.418	—	—	3.30E-02	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.445	—	—	3.30E-02	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.366	—	—	3.30E-02	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.416	—	—	3.30E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.425	—	—	3.30E-02	mg/L	—	U	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.423	—	—	3.00E-02	mg/L	—	—	146887	GF050900GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.423	—	—	3.30E-02	mg/L	—	U	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	4.30E-01	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	4.30E-01	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	4.25E-01	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	4.40E-01	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.2	—	—	8.50E-02	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.4	—	—	8.50E-02	mg/L	—	—	146887	GF050900GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	59.4	—	—	4.30E-01	mg/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.2	—	—	4.30E-01	mg/L	—	—	08-1048	CAWR-08-12098	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.7	—	—	4.25E-01	mg/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	4.40E-01	mg/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	8.50E-02	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.9	—	—	8.50E-02	mg/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	1.88	—	—	8.50E-02	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.8	—	—	8.50E-02	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.85	—	—	8.50E-02	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.81	—	—	8.50E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.78	—	—	8.50E-02	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	1.74	—	—	8.50E-02	mg/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.82	—	—	8.50E-02	mg/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.89	—	—	8.50E-02	mg/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.94	—	—	8.50E-02	mg/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.72	—	—	8.50E-02	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.74	—	—	8.50E-02	mg/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.08	—	—	5.00E-02	mg/L	—	J	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.1	—	—	5.00E-02	mg/L	—	J	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.04	—	—	5.00E-02	mg/L	—	J	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.56	—	—	5.00E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.987	—	—	1.40E-02	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.946	—	—	1.70E-02	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.1	—	—	1.40E-02	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.426	—	—	5.00E-02	ug/L	—	J	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.43	—	—	5.00E-02	ug/L	—	J	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.438	—	—	5.00E-02	ug/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.437	—	—	5.00E-02	ug/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172500	GF060900GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.389	—	—	5.00E-02	ug/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.425	—	—	5.00E-02	ug/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.98	—	—	5.00E-02	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.83	—	—	5.00E-02	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.83	—	—	5.00E-02	mg/L	E	J	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	5.00E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.27	—	—	5.00E-02	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.71	—	—	5.00E-02	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.8	—	—	5.00E-02	mg/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.72	—	—	5.00E-02	mg/L	E	J	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.25	—	—	5.00E-02	mg/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.81	—	—	5.00E-02	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	50.4	—	—	3.20E-02	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	48.5	—	—	3.20E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	39.8	—	—	3.20E-02	mg/L	E	J	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	49.5	—	—	3.20E-02	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	48.1	—	—	3.20E-02	mg/L	E	J	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	49.9	—	—	3.20E-02	mg/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	4.50E-02	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	4.50E-02	mg/L	—	—	08-1048	CAWR-08-12096	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	4.50E-02	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.2	—	—	4.50E-02	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	4.50E-02	mg/L	E	J	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	4.50E-02	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	14	—	—	4.50E-02	mg/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	4.50E-02	mg/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	4.50E-02	mg/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	4.50E-02	mg/L	E	J	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	4.50E-02	mg/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	181	—	—	1.00E+00	uS/cm	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	206	—	—	1.00E+00	uS/cm	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	203	—	—	1.00E+00	uS/cm	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	uS/cm	—	—	146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	198	—	—	1.00E+00	uS/cm	—	—	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	5.04	—	—	1.00E-01	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.03	—	—	1.00E-01	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.92	—	—	1.00E-01	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.06	—	—	1.00E-01	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.05	—	—	1.00E-01	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.13	—	—	5.70E-02	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.08	—	—	1.00E-01	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	J	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	J	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.38E+00	mg/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.38E+00	mg/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.38E+00	mg/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.38E+00	mg/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.38E+00	mg/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	1.00E-02	mg/L	U	UJ	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.308	—	—	4.00E-02	mg/L	J	J+	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.034	—	—	2.90E-02	mg/L	J	J	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.052	—	—	2.90E-02	mg/L	J	J	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.226	—	—	2.90E-02	mg/L	—	U	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.01	—	—	1.00E-02	mg/L	U	UJ	172500	GU060900GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.64	—	—	3.30E-01	mg/L	J	J	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.484	—	—	3.30E-01	mg/L	J	J	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.33	—	—	3.30E-01	mg/L	U	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.647	—	—	3.30E-01	mg/L	J	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.567	—	—	3.30E-01	mg/L	J	—	172334	GU060900GA3S02	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J-	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J-	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.22	—	—	1.00E-02	SU	H	J	146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J	172500	GU060900GA3S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3A	04/23/08	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	31.5	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.7	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.5	—	—	1.00E+00	ug/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.6	—	—	1.00E+00	ug/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33	—	—	1.00E+00	ug/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	31.2	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.6	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.4	—	—	1.00E+00	ug/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	ug/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.2	—	—	1.00E+00	ug/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	4.5	—	—	2.50E+00	ug/L	J	J	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.2	—	—	2.50E+00	ug/L	J	J	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.2	—	—	1.00E+00	ug/L	J	JN-	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.1	—	—	1.00E+00	ug/L	—	U	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.5	—	—	1.00E+00	ug/L	—	U	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	3.5	—	—	1.00E+00	ug/L	J	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	4.9	—	—	2.50E+00	ug/L	J	J	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	2.50E+00	ug/L	J	J	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.00E+00	ug/L	J	JN-	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7	—	—	1.00E+00	ug/L	—	U	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.2	—	—	1.00E+00	ug/L	—	U	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	4.1	—	—	1.00E+00	ug/L	J	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.7	—	—	2.00E+00	ug/L	J	J	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	146887	GF05090GA3S01	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.9	—	—	2.00E+00	ug/L	J	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	49.6	—	—	3.20E-02	mg/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	49.3	—	—	3.20E-02	mg/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	229	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	231	—	—	1.00E+00	ug/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	225	—	—	1.00E+00	ug/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	210	—	—	1.00E+00	ug/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	223	—	—	1.00E+00	ug/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	217	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	220	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	229	—	—	1.00E+00	ug/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	240	—	—	1.00E+00	ug/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	226	—	—	1.00E+00	ug/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	172500	GF060900GA3S01	GELC



Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 3A	09/26/05	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	15.6	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12129	GELC
Spring 3A	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.4	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12096	GELC
Spring 3A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	194647	GF070900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	ug/L	—	—	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	—	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	146887	GF05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12130	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	08-1048	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	194647	GU070900GA3S02	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	146887	GU05090GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	1.36	—	—	1.30E+00	ug/L	J	J	08-1047	CAWR-08-12130	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.25E+00	ug/L	U	—	194557	GU070900GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.25E+00	ug/L	U	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.25E+00	ug/L	U	—	172334	GU060900GA3S02	GELC
Spring 3A	10/06/03	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	—	ug/L	U	—	89645	GU03080GA3S01	GELC
Spring 3A	04/23/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	1.33	—	—	1.30E+00	ug/L	J	J	08-1047	CAWR-08-12098	GELC
Spring 3A	09/24/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	194557	GU070900GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	172334	GU060900GA3S02	GELC
Spring 3A	10/06/03	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	—	ug/L	U	—	89645	GU03080GA3S01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.6	—	—	7.25E-01	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.6	—	—	7.25E-01	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.3	—	—	7.25E-01	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.2	—	—	1.45E+00	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.3	—	—	7.25E-01	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.104	—	—	6.70E-02	mg/L	J	J	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.101	—	—	6.60E-02	mg/L	J	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.084	—	—	4.10E-02	mg/L	J	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.095	—	—	6.60E-02	mg/L	J	—	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.9	—	—	3.00E-02	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.9	—	—	3.00E-02	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.3	—	—	3.60E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.60E-02	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.60E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	3.00E-02	mg/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24	—	—	3.00E-02	mg/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	3.60E-02	mg/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.9	—	—	3.60E-02	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	3.60E-02	mg/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.53	—	—	6.60E-02	mg/L	—	J	08-1065	CAWR-08-12101	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.47	—	—	6.60E-02	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.31	—	—	6.60E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.53	—	—	6.60E-02	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.53	—	—	5.30E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	6.55	—	—	6.60E-02	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.466	—	—	3.30E-02	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.438	—	—	3.30E-02	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.474	—	—	3.30E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.472	—	—	3.30E-02	mg/L	—	U	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.481	—	—	3.00E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.471	—	—	3.30E-02	mg/L	—	U	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73.1	—	—	4.30E-01	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.9	—	—	4.25E-01	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.2	—	—	4.40E-01	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.1	—	—	8.50E-02	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72	—	—	8.50E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	73.5	—	—	4.30E-01	mg/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.5	—	—	4.25E-01	mg/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.5	—	—	4.40E-01	mg/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.5	—	—	8.50E-02	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.2	—	—	8.50E-02	mg/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.45	—	—	8.50E-02	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.54	—	—	8.50E-02	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.27	—	—	8.50E-02	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	8.50E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.44	—	—	8.50E-02	mg/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.78	—	—	8.50E-02	mg/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	8.50E-02	mg/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.23	—	—	8.50E-02	mg/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.35	—	—	5.00E-02	mg/L	—	J	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.25	—	—	5.00E-02	mg/L	—	J	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.61	—	—	1.00E-01	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.3	—	—	1.40E-02	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.22	—	—	1.70E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.43	—	—	1.40E-02	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.653	—	—	5.00E-02	ug/L	—	J	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.64	—	—	5.00E-02	ug/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.638	—	—	5.00E-02	ug/L	—	J-	185526	GF070400G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172500	GF060900G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.598	—	—	5.00E-02	ug/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.619	—	—	5.00E-02	ug/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.64	—	—	5.00E-02	mg/L	E	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.47	—	—	5.00E-02	mg/L	E	J	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.85	—	—	5.00E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.62	—	—	5.00E-02	mg/L	E	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.38	—	—	5.00E-02	mg/L	E	J	194647	GU070900G4SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.64	—	—	5.00E-02	mg/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.62	—	—	5.00E-02	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	54.2	—	—	3.20E-02	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	55.2	—	—	3.20E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	52.2	—	—	3.20E-02	mg/L	E	J	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	53.5	—	—	3.20E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	53.2	—	—	3.20E-02	mg/L	E	J	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	53.4	—	—	3.20E-02	mg/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	4.50E-02	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	4.50E-02	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	4.50E-02	mg/L	E	J	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	4.50E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	4.50E-02	mg/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	4.50E-02	mg/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	4.50E-02	mg/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	4.50E-02	mg/L	E	J	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.9	—	—	4.50E-02	mg/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	205	—	—	1.00E+00	uS/cm	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	220	—	—	1.00E+00	uS/cm	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	226	—	—	1.00E+00	uS/cm	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	226	—	—	1.00E+00	uS/cm	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	219	—	—	1.00E+00	uS/cm	—	—	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.45	—	—	1.00E-01	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.24	—	—	1.00E-01	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.33	—	—	1.00E-01	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.44	—	—	1.00E-01	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.69	—	—	5.70E-02	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.5	—	—	1.00E-01	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.8	—	—	1.10E+00	mg/L	J	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	1.14E+00	mg/L	J	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.8	—	—	2.28E+00	mg/L	J	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	1.43	—	—	1.43E+00	mg/L	U	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.91	—	—	1.06E+00	mg/L	J	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.38E+00	mg/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.38E+00	mg/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.38E+00	mg/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.38E+00	mg/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.38E+00	mg/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.899	—	—	3.30E-01	mg/L	J	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.33	—	—	3.30E-01	mg/L	U	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.478	—	—	3.30E-01	mg/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.94	—	—	3.30E-01	mg/L	J	—	172334	GU060900G4SW02	GELC
Spring 4	04/24/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	1.00E-02	SU	H	J-	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.39	—	—	1.00E-02	SU	H	J	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.87	—	—	1.00E-02	SU	H	J	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.62	—	—	1.00E-02	SU	H	J	172500	GU060900G4SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.2	—	—	1.50E+00	ug/L	J	J	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.8	—	—	1.50E+00	ug/L	J	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.5	—	—	1.50E+00	ug/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.7	—	—	1.50E+00	ug/L	J	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.3	—	—	1.50E+00	ug/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.5	—	—	1.50E+00	ug/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.5	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.2	—	—	1.00E+00	ug/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.5	—	—	1.00E+00	ug/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.6	—	—	1.00E+00	ug/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.2	—	—	1.00E+00	ug/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.7	—	—	1.00E+00	ug/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	ug/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.1	—	—	1.00E+00	ug/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	ug/L	J	J	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.1	—	—	1.00E+00	ug/L	J	JN-	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.5	—	—	1.00E+00	ug/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.1	—	—	1.00E+00	ug/L	—	U	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	3.3	—	—	1.00E+00	ug/L	J	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	2.50E+00	ug/L	J	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	1.00E+00	ug/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.2	—	—	1.00E+00	ug/L	—	U	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	2.9	—	—	1.00E+00	ug/L	J	—	146889	GU05090G4SW01	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	ug/L	U	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	48.5	—	—	1.80E+01	ug/L	J	U	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	54.4	—	—	2.50E+01	ug/L	J	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	90.8	—	—	2.50E+01	ug/L	J	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	71.1	—	—	1.80E+01	ug/L	J	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.5	—	—	1.80E+01	ug/L	J	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	57.8	—	—	1.80E+01	ug/L	J	—	146889	GU05090G4SW01	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.1	—	—	1.00E+00	ug/L	J	J	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.3	—	—	3.20E-02	mg/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	134	—	—	1.00E+00	ug/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	185526	GF070400G4SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	129	—	—	1.00E+00	ug/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	1.00E+00	ug/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	139	—	—	1.00E+00	ug/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	1.00E+00	ug/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	129	—	—	1.00E+00	ug/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	1.00E+00	ug/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.98	—	—	5.00E-02	ug/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.96	—	—	5.00E-02	ug/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	146889	GU05090G4SW01	GELC
Spring 4	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.8	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12101	GELC
Spring 4	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.3	—	—	1.00E+00	ug/L	—	—	194647	GF070900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.8	—	—	1.00E+00	ug/L	—	J+	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.8	—	—	1.00E+00	ug/L	—	—	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.7	—	—	1.00E+00	ug/L	—	—	146889	GF05090G4SW01	GELC
Spring 4	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.2	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12099	GELC
Spring 4	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1.00E+00	ug/L	—	—	194647	GU070900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.8	—	—	1.00E+00	ug/L	—	J+	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.6	—	—	1.00E+00	ug/L	—	—	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.8	—	—	1.00E+00	ug/L	—	—	146889	GU05090G4SW01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79	—	—	7.25E-01	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.3	—	—	7.25E-01	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.7	—	—	7.25E-01	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.2	—	—	1.45E+00	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.2	—	—	7.25E-01	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0763	—	—	6.70E-02	mg/L	J	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.128	—	—	6.60E-02	mg/L	J	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.041	—	—	4.10E-02	mg/L	U	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	3.00E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	3.00E-02	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.60E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	3.60E-02	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	FB	Geninorg	SW-846:6010B	Calcium	—	0.0365	—	—	3.00E-02	mg/L	J	J	08-1061	CAWR-08-12133	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	3.00E-02	mg/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	3.00E-02	mg/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	3.60E-02	mg/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	3.60E-02	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.22	—	—	6.60E-02	mg/L	—	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.53	—	—	6.60E-02	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.12	—	—	6.60E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.66	—	—	6.60E-02	mg/L	—	—	172500	GF060900GA4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.61	—	—	5.30E-02	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	4.65	—	—	6.60E-02	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.535	—	—	3.30E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.388	—	—	3.30E-02	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.494	—	—	3.30E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.459	—	—	3.30E-02	mg/L	—	U	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.473	—	—	3.00E-02	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.472	—	—	3.30E-02	mg/L	—	U	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.8	—	—	4.30E-01	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.2	—	—	4.25E-01	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.1	—	—	4.40E-01	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.4	—	—	8.50E-02	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.5	—	—	4.30E-01	mg/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.6	—	—	4.25E-01	mg/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.5	—	—	4.40E-01	mg/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	66	—	—	8.50E-02	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.76	—	—	8.50E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.6	—	—	8.50E-02	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.01	—	—	8.50E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.36	—	—	8.50E-02	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.7	—	—	8.50E-02	mg/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.85	—	—	8.50E-02	mg/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.86	—	—	8.50E-02	mg/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	8.50E-02	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.995	—	—	5.00E-02	mg/L	—	J	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.6	—	—	1.00E-01	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.923	—	—	1.40E-02	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.917	—	—	1.70E-02	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.994	—	—	1.40E-02	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.531	—	—	5.00E-02	ug/L	—	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.529	—	—	5.00E-02	ug/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185416	GF070400GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.527	—	—	5.00E-02	ug/L	—	J-	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.457	—	—	5.00E-02	ug/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146887	GF05090GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.509	—	—	5.00E-02	ug/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.17	—	—	5.00E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.91	—	—	5.00E-02	mg/L	E	J	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.37	—	—	5.00E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	5.00E-02	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	E	J	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.1	—	—	5.00E-02	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	67.4	—	—	3.20E-02	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69	—	—	3.20E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	66.1	—	—	3.20E-02	mg/L	E	J	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	3.20E-02	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	67.5	—	—	3.20E-02	mg/L	E	J	172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	3.20E-02	mg/L	—	—	146887	GU05090GA4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	4.50E-02	mg/L	E	J	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	FB	Geninorg	SW-846:6010B	Sodium	—	0.189	—	—	4.50E-02	mg/L	—	—	08-1061	CAWR-08-12133	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	E	J	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1.00E+00	uS/cm	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	206	—	—	1.00E+00	uS/cm	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	200	—	—	1.00E+00	uS/cm	—	—	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	160	—	—	1.00E+00	uS/cm	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	195	—	—	1.00E+00	uS/cm	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.22	—	—	1.00E-01	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.29	—	—	1.00E-01	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.38	—	—	1.00E-01	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.43	—	—	1.00E-01	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.62	—	—	5.70E-02	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.45	—	—	1.00E-01	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.38E+00	mg/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	185	—	—	2.38E+00	mg/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.38E+00	mg/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.38E+00	mg/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	180	—	—	2.38E+00	mg/L	—	—	146887	GF05090GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.958	—	—	3.30E-01	mg/L	J	J	08-1061	CAWR-08-12111	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.736	—	—	3.30E-01	mg/L	J	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.453	—	—	3.30E-01	mg/L	J	—	172311	GU060900GA4S02	GELC
Spring 4A	04/24/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.3	—	—	1.00E+00	ug/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.2	—	—	1.00E+00	ug/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00E+00	ug/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.4	—	—	1.00E+00	ug/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.1	—	—	1.00E+00	ug/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.6	—	—	1.00E+00	ug/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	ug/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	11	—	—	1.00E+01	ug/L	J	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.00E+01	ug/L	J	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.7	—	—	1.00E+01	ug/L	J	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	10	—	—	1.00E+01	ug/L	U	UJ	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.6	—	—	1.00E+01	ug/L	J	J	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.7	—	—	1.00E+01	ug/L	J	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.5	—	—	1.00E+01	ug/L	J	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	10	—	—	1.00E+01	ug/L	U	UJ	172500	GU060900GA4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.50E+00	ug/L	J	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.5	—	—	1.00E+00	ug/L	J	JN-	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.3	—	—	1.00E+00	ug/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.1	—	—	1.00E+00	ug/L	—	U	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.50E+00	ug/L	J	J	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.4	—	—	1.00E+00	ug/L	J	JN-	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.5	—	—	1.00E+00	ug/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.9	—	—	1.00E+00	ug/L	—	U	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.91	—	—	5.00E-01	ug/L	J	J	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	172500	GF060900GA4S01	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.4	—	—	3.20E-02	mg/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.7	—	—	1.00E+00	ug/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.6	—	—	1.00E+00	ug/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	ug/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.7	—	—	1.00E+00	ug/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	96.7	—	—	1.00E+00	ug/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	95	—	—	1.00E+00	ug/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.98	—	—	5.00E-02	ug/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.4	—	—	1.00E+00	ug/L	—	—	08-1061	CAWR-08-12113	GELC
Spring 4A	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	194647	GF070900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	ug/L	—	J+	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	ug/L	—	—	172500	GF060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.1	—	—	1.00E+00	ug/L	—	—	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.7	—	—	1.00E+00	ug/L	—	—	194647	GU070900GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.7	—	—	1.00E+00	ug/L	—	U	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	ug/L	—	—	172500	GU060900GA4S01	GELC
Spring 4A	04/24/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	1.68	—	—	1.30E+00	ug/L	J	J	08-1061	CAWR-08-12111	GELC
Spring 4A	09/24/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	194557	GU070900GA4S02	GELC
Spring 4A	05/02/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	172311	GU060900GA4S02	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.7	—	—	7.30E-01	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.2	—	—	7.30E-01	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.7	—	—	7.25E-01	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.4	—	—	7.25E-01	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.9	—	—	7.25E-01	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.2	—	—	1.45E+00	mg/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.9	—	—	7.25E-01	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0689	—	—	6.70E-02	mg/L	J	J	08-1059	CAWR-08-12108	GELC



Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.1	—	—	6.60E-02	mg/L	J	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.081	—	—	6.60E-02	mg/L	J	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.061	—	—	4.10E-02	mg/L	J	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.075	—	—	6.60E-02	mg/L	J	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	3.00E-02	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.8	—	—	3.00E-02	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.60E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	3.60E-02	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	3.00E-02	mg/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	3.00E-02	mg/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	3.00E-02	mg/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.60E-02	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.3	—	—	3.60E-02	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.54E-03	mg/L	—	—	121725	GU04090GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	5.67	—	—	6.60E-02	mg/L	—	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.67	—	—	6.60E-02	mg/L	—	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.7	—	—	6.60E-02	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.52	—	—	6.60E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.74	—	—	6.60E-02	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.85	—	—	5.30E-02	mg/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	5.74	—	—	6.60E-02	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.536	—	—	3.30E-02	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.488	—	—	3.30E-02	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.48	—	—	3.30E-02	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.507	—	—	3.30E-02	mg/L	—	J+	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.517	—	—	3.00E-02	mg/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.499	—	—	3.30E-02	mg/L	—	J+	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	72.2	—	—	4.30E-01	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	74	—	—	4.30E-01	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	4.25E-01	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.8	—	—	4.40E-01	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73.1	—	—	8.50E-02	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	4.30E-01	mg/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.3	—	—	4.30E-01	mg/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.7	—	—	4.25E-01	mg/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.8	—	—	4.40E-01	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.7	—	—	8.50E-02	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	77.4	—	—	5.54E-03	mg/L	—	—	121725	GU04090GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.13	—	—	8.50E-02	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.66	—	—	8.50E-02	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.55	—	—	8.50E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.08	—	—	8.50E-02	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.26	—	—	8.50E-02	mg/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.29	—	—	8.50E-02	mg/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.64	—	—	8.50E-02	mg/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.29	—	—	8.50E-02	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.23	—	—	8.50E-02	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	5.18E-03	mg/L	—	—	121725	GU04090GAA401	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.22	—	—	5.00E-02	mg/L	—	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.22	—	—	5.00E-02	mg/L	—	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.02	—	—	5.00E-02	mg/L	—	J	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.66	—	—	1.00E-01	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.02	—	—	1.40E-02	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.924	—	—	1.70E-02	mg/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.05	—	—	1.40E-02	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.569	—	—	5.00E-02	ug/L	—	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.56	—	—	5.00E-02	ug/L	—	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.58	—	—	5.00E-02	ug/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185416	GF070400GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.568	—	—	5.00E-02	ug/L	—	J-	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.545	—	—	5.00E-02	ug/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146887	GF05090GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.563	—	—	5.00E-02	ug/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	E	J	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.43	—	—	5.00E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.24	—	—	5.00E-02	mg/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	E	J	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.13	—	—	5.00E-02	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	1.65E-02	mg/L	—	—	121725	GU04090GAA401	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	3.20E-02	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	68	—	—	3.20E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	65	—	—	3.20E-02	mg/L	E	J	172500	GF060900GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	3.20E-02	mg/L	E	J	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	64.4	—	—	1.06E-01	mg/L	—	—	121725	GU04090GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	4.50E-02	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	4.50E-02	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	E	J	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	4.50E-02	mg/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	E	J	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.44E-02	mg/L	—	—	121725	GU04090GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	202	—	—	1.00E+00	uS/cm	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	198	—	—	1.00E+00	uS/cm	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	207	—	—	1.00E+00	uS/cm	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	212	—	—	1.00E+00	uS/cm	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	216	—	—	1.00E+00	uS/cm	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	186	—	—	1.00E+00	uS/cm	—	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	216	—	—	1.00E+00	uS/cm	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	6.76	—	—	1.00E-01	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.79	—	—	1.00E-01	mg/L	—	—	08-1059	CAWR-08-12108	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.78	—	—	1.00E-01	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.71	—	—	1.00E-01	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.82	—	—	1.00E-01	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.05	—	—	5.70E-02	mg/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.82	—	—	1.00E-01	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3	—	—	1.10E+00	mg/L	J	J	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.8	—	—	1.10E+00	mg/L	J	J	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	1.4	—	—	1.14E+00	mg/L	J	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	18.2	—	—	1.14E+00	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	1.43	—	—	1.43E+00	mg/L	U	—	172500	GU060900GAA401	GELC
Spring 4AA	09/27/05	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	1.07	—	—	1.02E+00	mg/L	J	—	146887	GU05090GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	180	—	—	2.38E+00	mg/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.38E+00	mg/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	2.38E+00	mg/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	180	—	—	2.38E+00	mg/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.38E+00	mg/L	—	—	146887	GF05090GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.63	—	—	3.30E-01	mg/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.2	—	—	3.30E-01	mg/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.454	—	—	3.30E-01	mg/L	J	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.384	—	—	3.30E-01	mg/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.618	—	—	3.30E-01	mg/L	J	—	172311	GU060900GAA402	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J-	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.47	—	—	1.00E-02	SU	H	J	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.39	—	—	1.00E-02	SU	H	J	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.93	—	—	1.00E-02	SU	H	J	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.46	—	—	1.00E-02	SU	H	J	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	328	—	—	6.80E+01	ug/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	151	—	—	6.80E+01	ug/L	J	J	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	90.9	—	—	6.80E+01	ug/L	J	J	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	72.8	—	—	6.80E+01	ug/L	J	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.3	—	—	1.00E+00	ug/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.2	—	—	1.00E+00	ug/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.7	—	—	1.00E+00	ug/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.9	—	—	1.00E+00	ug/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40	—	—	1.00E+00	ug/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.4	—	—	1.00E+00	ug/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	12.6	—	—	1.00E+01	ug/L	J	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.00E+01	ug/L	J	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.1	—	—	1.00E+01	ug/L	J	—	194647	GF070900GAA401	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.00E+01	ug/L	J	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	10	—	—	1.00E+01	ug/L	U	UJ	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	14	—	—	1.00E+01	ug/L	J	J	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	14.8	—	—	1.00E+01	ug/L	J	J	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.00E+01	ug/L	J	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.00E+01	ug/L	J	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	10	—	—	1.00E+01	ug/L	U	UJ	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.50E+00	ug/L	J	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.3	—	—	2.50E+00	ug/L	J	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.3	—	—	1.00E+00	ug/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.5	—	—	1.00E+00	ug/L	—	U	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	ug/L	J	J	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	ug/L	J	J	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.00E+00	ug/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.6	—	—	1.00E+00	ug/L	—	U	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	42.2	—	—	2.50E+01	ug/L	J	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	ug/L	U	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	89	—	—	2.50E+01	ug/L	J	J	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	75.8	—	—	2.50E+01	ug/L	J	J	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.1	—	—	2.50E+01	ug/L	J	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	61.1	—	—	1.80E+01	ug/L	J	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	39.6	—	—	1.80E+01	ug/L	J	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.2	—	—	2.00E+00	ug/L	J	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	2.2	—	—	2.00E+00	ug/L	J	J	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6020	Selenium	—	1.3	—	—	1.00E+00	ug/L	J	J	08-1059	CAWR-08-12132	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172500	GF060900GAA401	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	59.3	—	—	3.20E-02	mg/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	3.20E-02	mg/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	94.9	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	97.4	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	99.7	—	—	1.00E+00	ug/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	97.8	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.1	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12109	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.32	—	—	3.00E-01	ug/L	J	J	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.3	—	—	3.00E-01	ug/L	U	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.4	—	—	4.00E-01	ug/L	U	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.4	—	—	4.00E-01	ug/L	U	—	172500	GF060900GAA401	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.3	—	—	3.00E-01	ug/L	U	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.4	—	—	4.00E-01	ug/L	U	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.4	—	—	4.00E-01	ug/L	U	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.8	—	—	5.00E-02	ug/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.85	—	—	5.00E-02	ug/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.83	—	—	5.00E-02	ug/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.92	—	—	5.00E-02	ug/L	—	—	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.98	—	—	5.00E-02	ug/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.97	—	—	5.00E-02	ug/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.91	—	—	5.00E-02	ug/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.81	—	—	5.00E-02	ug/L	—	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.9	—	—	5.00E-02	ug/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12132	GELC
Spring 4AA	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12108	GELC
Spring 4AA	09/24/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	194647	GF070900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.7	—	—	1.00E+00	ug/L	—	J+	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	172500	GF060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12131	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	ug/L	—	—	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	ug/L	—	—	194647	GU070900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.3	—	—	1.00E+00	ug/L	—	U	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	172500	GU060900GAA401	GELC
Spring 4AA	04/24/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	4.03	—	—	1.30E+00	ug/L	J	J	08-1059	CAWR-08-12109	GELC
Spring 4AA	09/24/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	194557	GU070900GAA402	GELC
Spring 4AA	05/02/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	172311	GU060900GAA402	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89	—	—	7.30E-01	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.6	—	—	7.25E-01	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.2	—	—	7.25E-01	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.8	—	—	7.25E-01	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.2	—	—	1.45E+00	mg/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.8	—	—	7.25E-01	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.8	—	—	3.00E-02	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.4	—	—	3.00E-02	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.8	—	—	3.60E-02	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.4	—	—	3.60E-02	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.4	—	—	3.00E-02	mg/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27	—	—	3.00E-02	mg/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	3.60E-02	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.5	—	—	3.60E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.6	—	—	5.54E-03	mg/L	—	—	121725	GU04090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.53	—	—	6.60E-02	mg/L	—	J	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.46	—	—	6.60E-02	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.19	—	—	6.60E-02	mg/L	—	—	185322	GF070400GB4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.71	—	—	6.60E-02	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.9	—	—	5.30E-02	mg/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	7.73	—	—	6.60E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.482	—	—	3.30E-02	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.428	—	—	3.30E-02	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.459	—	—	3.30E-02	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.472	—	—	3.30E-02	mg/L	—	U	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.47	—	—	3.00E-02	mg/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.466	—	—	3.30E-02	mg/L	—	U	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.1	—	—	4.30E-01	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.3	—	—	4.25E-01	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	90.1	—	—	4.40E-01	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85	—	—	8.50E-02	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.9	—	—	4.30E-01	mg/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	90.6	—	—	4.25E-01	mg/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	92.3	—	—	4.40E-01	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	89.1	—	—	8.50E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	93.9	—	—	5.54E-03	mg/L	—	—	121725	GU04090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.15	—	—	8.50E-02	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.41	—	—	8.50E-02	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.21	—	—	8.50E-02	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.24	—	—	8.50E-02	mg/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.65	—	—	8.50E-02	mg/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.87	—	—	8.50E-02	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.05	—	—	5.18E-03	mg/L	—	—	121725	GU04090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.91	—	—	5.00E-02	mg/L	—	J	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.795	—	—	5.00E-02	mg/L	—	J	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.671	—	—	1.00E-02	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.383	—	—	1.40E-02	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.239	—	—	1.70E-02	mg/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.451	—	—	1.40E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.515	—	—	5.00E-02	ug/L	—	J	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.452	—	—	5.00E-02	ug/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185322	GF070400GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.426	—	—	5.00E-02	ug/L	—	J-	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.371	—	—	5.00E-02	ug/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146887	GF05090GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.321	—	—	5.00E-02	ug/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	E	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.55	—	—	5.00E-02	mg/L	E	J	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.81	—	—	5.00E-02	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.63	—	—	5.00E-02	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	E	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.46	—	—	5.00E-02	mg/L	E	J	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.95	—	—	5.00E-02	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.85	—	—	5.00E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.95	—	—	1.65E-02	mg/L	—	—	121725	GU04090GB4S01	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	54.5	—	—	3.20E-02	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	55.2	—	—	3.20E-02	mg/L	—	—	185322	GF070400GB4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	54.4	—	—	3.20E-02	mg/L	E	J	172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	59.4	—	—	3.20E-02	mg/L	E	J	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	60.2	—	—	1.06E-01	mg/L	—	—	121725	GU04090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	4.50E-02	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	4.50E-02	mg/L	E	J	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	4.50E-02	mg/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	4.50E-02	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	4.50E-02	mg/L	E	J	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.44E-02	mg/L	—	—	121725	GU04090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	227	—	—	1.00E+00	uS/cm	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	245	—	—	1.00E+00	uS/cm	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	246	—	—	1.00E+00	uS/cm	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	201	—	—	1.00E+00	uS/cm	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	247	—	—	1.00E+00	uS/cm	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.56	—	—	1.00E-01	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.87	—	—	1.00E-01	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.64	—	—	1.00E-01	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.87	—	—	1.00E-01	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.65	—	—	5.70E-02	mg/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.87	—	—	1.00E-01	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	6.4	—	—	1.10E+00	mg/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	17.6	—	—	1.14E+00	mg/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	30	—	—	2.28E+00	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	23.3	—	—	1.43E+00	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/26/05	WG	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	56.5	—	—	1.08E+00	mg/L	—	—	146887	GU05090GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.38E+00	mg/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.38E+00	mg/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.38E+00	mg/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	2.38E+00	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.38E+00	mg/L	—	—	146887	GF05090GB4S01	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	U	UJ	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.024	—	—	1.00E-02	mg/L	J	U	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.252	—	—	4.00E-02	mg/L	J	J+	146887	GF05090GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.053	—	—	2.90E-02	mg/L	J	J	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.094	—	—	2.90E-02	mg/L	J	JN-	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.184	—	—	2.90E-02	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.265	—	—	1.00E-02	mg/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.54	—	—	3.30E-01	mg/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.992	—	—	3.30E-01	mg/L	J	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.979	—	—	3.30E-01	mg/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.53	—	—	3.30E-01	mg/L	—	—	172311	GU060900GB4S02	GELC
Spring 4B	04/24/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	1.00E-02	SU	H	J	146887	GF05090GB4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4B	09/18/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J	172500	GU060900GB4S01	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	280	—	—	6.80E+01	ug/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	381	—	—	6.80E+01	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1280	—	—	6.80E+01	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	741	—	—	6.80E+01	ug/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.8	—	—	1.50E+00	ug/L	J	J	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.9	—	—	1.50E+00	ug/L	J	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.3	—	—	1.50E+00	ug/L	J	U	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.3	—	—	1.50E+00	ug/L	J	J	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.5	—	—	1.50E+00	ug/L	J	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	3.4	—	—	1.50E+00	ug/L	J	U	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	52.2	—	—	1.00E+00	ug/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	51.4	—	—	1.00E+00	ug/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45	—	—	1.00E+00	ug/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.2	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	53.3	—	—	1.00E+00	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.8	—	—	1.00E+00	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	51.3	—	—	1.00E+00	ug/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.7	—	—	2.50E+00	ug/L	J	J	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.1	—	—	1.00E+00	ug/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.3	—	—	1.00E+00	ug/L	—	U	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.5	—	—	2.50E+00	ug/L	J	J	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.00E+00	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	5.8	—	—	1.00E+00	ug/L	—	U	172500	GU060900GB4S01	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	41.9	—	—	2.50E+01	ug/L	J	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	138	—	—	1.80E+01	ug/L	—	J+	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	38.7	—	—	1.80E+01	ug/L	J	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	218	—	—	2.50E+01	ug/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	332	—	—	2.50E+01	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1150	—	—	1.80E+01	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	650	—	—	1.80E+01	ug/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	11.4	—	—	2.00E+00	ug/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.8	—	—	2.00E+00	ug/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.5	—	—	2.00E+00	ug/L	J	J	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	21.7	—	—	2.00E+00	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	14.7	—	—	2.00E+00	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12	—	—	2.00E+00	ug/L	—	J+	172500	GU060900GB4S01	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.7	—	—	5.00E-01	ug/L	J	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.55	—	—	5.00E-01	ug/L	J	J	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.75	—	—	5.00E-01	ug/L	J	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	—	185322	GU070400GB4S01	GELC



Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1	—	—	1.00E+00	ug/L	J	J	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172500	GF060900GB4S01	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	48.7	—	—	3.20E-02	mg/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	156	—	—	1.00E+00	ug/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	ug/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	1.00E+00	ug/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	158	—	—	1.00E+00	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	167	—	—	1.00E+00	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.3	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12104	GELC
Spring 4B	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.8	—	—	1.00E+00	ug/L	J	—	194647	GF070900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.2	—	—	1.00E+00	ug/L	—	J+	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	172500	GF060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.7	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.8	—	—	1.00E+00	ug/L	—	—	194647	GU070900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.3	—	—	1.00E+00	ug/L	—	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.3	—	—	1.00E+00	ug/L	—	—	172500	GU060900GB4S01	GELC
Spring 4B	04/24/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	1.77	—	—	1.30E+00	ug/L	J	J	08-1064	CAWR-08-12102	GELC
Spring 4B	09/25/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	194557	GU070900GB4S02	GELC
Spring 4B	05/01/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	172311	GU060900GB4S02	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.5	—	—	7.30E-01	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79	—	—	7.25E-01	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.3	—	—	7.25E-01	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.7	—	—	7.25E-01	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.2	—	—	1.45E+00	mg/L	—	—	146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.7	—	—	7.25E-01	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0757	—	—	6.70E-02	mg/L	J	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.185	—	—	6.60E-02	mg/L	J	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.084	—	—	4.10E-02	mg/L	J	—	146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	<	0.066	—	—	6.60E-02	mg/L	U	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	3.00E-02	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	3.60E-02	mg/L	—	—	185322	GF070400GC4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.9	—	—	3.60E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	3.00E-02	mg/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	3.60E-02	mg/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	3.60E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	5.54E-03	mg/L	—	—	121725	GU040900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.38	—	—	6.60E-02	mg/L	—	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.29	—	—	6.60E-02	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.34	—	—	6.60E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.42	—	—	6.60E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.48	—	—	5.30E-02	mg/L	—	—	146887	GF050900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	6.4	—	—	6.60E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.472	—	—	3.30E-02	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.445	—	—	3.30E-02	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.487	—	—	3.30E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.465	—	—	3.30E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.485	—	—	3.00E-02	mg/L	—	—	146887	GF050900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.469	—	—	3.30E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71.8	—	—	4.30E-01	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71.6	—	—	4.25E-01	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.8	—	—	4.40E-01	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.6	—	—	8.50E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.8	—	—	4.30E-01	mg/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	76.7	—	—	4.25E-01	mg/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	76.9	—	—	4.40E-01	mg/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.6	—	—	8.50E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	74.5	—	—	5.54E-03	mg/L	—	—	121725	GU040900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	8.50E-02	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.36	—	—	8.50E-02	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.66	—	—	8.50E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.67	—	—	8.50E-02	mg/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.67	—	—	8.50E-02	mg/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.52	—	—	8.50E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.6	—	—	5.18E-03	mg/L	—	—	121725	GU040900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.38	—	—	5.00E-02	mg/L	—	J	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.32	—	—	1.00E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.36	—	—	1.40E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.32	—	—	1.70E-02	mg/L	—	—	146887	GF050900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	1.43	—	—	1.40E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.628	—	—	5.00E-02	ug/L	—	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.653	—	—	5.00E-02	ug/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185322	GF070400GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.702	—	—	5.00E-02	ug/L	—	J	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.606	—	—	5.00E-02	ug/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.643	—	—	5.00E-02	ug/L	—	—	146887	GF050900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146887	GF050900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.62	—	—	5.00E-02	mg/L	E	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	E	J	194647	GF070900GC4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.61	—	—	5.00E-02	mg/L	E	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.37	—	—	5.00E-02	mg/L	E	J	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.94	—	—	5.00E-02	mg/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.71	—	—	1.65E-02	mg/L	—	—	121725	GU040900GC4S01	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	51.1	—	—	3.20E-02	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	55.4	—	—	3.20E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	53.2	—	—	3.20E-02	mg/L	—	J-	172551	GF060900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	54.3	—	—	3.20E-02	mg/L	—	J-	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	54.8	—	—	1.06E-01	mg/L	—	—	121725	GU040900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	4.50E-02	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	4.50E-02	mg/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	4.50E-02	mg/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	4.50E-02	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	1.44E-02	mg/L	—	—	121725	GU040900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	205	—	—	1.00E+00	uS/cm	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	209	—	—	1.00E+00	uS/cm	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	222	—	—	1.00E+00	uS/cm	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	222	—	—	1.00E+00	uS/cm	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	146887	GF050900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	220	—	—	1.00E+00	uS/cm	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.33	—	—	1.00E-01	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.99	—	—	1.00E-01	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.3	—	—	1.00E-01	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.36	—	—	1.00E-01	mg/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.61	—	—	5.70E-02	mg/L	—	—	146887	GF050900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.48	—	—	1.00E-01	mg/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.38E+00	mg/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.38E+00	mg/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	2.38E+00	mg/L	H	J	172551	GU060900GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.38E+00	mg/L	H	J	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.38E+00	mg/L	—	—	146887	GF050900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.858	—	—	3.30E-01	mg/L	J	J	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.33	—	—	3.30E-01	mg/L	U	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.528	—	—	3.30E-01	mg/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.647	—	—	3.30E-01	mg/L	J	U	172311	GU060900GC4S02	GELC
Spring 4C	04/24/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.19	—	—	1.00E-02	SU	H	J	146887	GF050900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.6	—	—	1.50E+00	ug/L	J	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	6.1	—	—	1.50E+00	ug/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	4.2	—	—	1.50E+00	ug/L	J	U	185322	GF070400GC4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.1	—	—	1.50E+00	ug/L	J	J	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4	—	—	1.50E+00	ug/L	J	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	3.7	—	—	1.50E+00	ug/L	J	U	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	ug/L	U	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.8	—	—	1.00E+00	ug/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	45.3	—	—	1.00E+00	ug/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.9	—	—	1.00E+00	ug/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.7	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.1	—	—	1.00E+00	ug/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.3	—	—	1.00E+00	ug/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.7	—	—	1.00E+00	ug/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.1	—	—	2.50E+00	ug/L	J	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1	—	—	1.00E+00	ug/L	U	UJ	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	1.00E+00	ug/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	5.2	—	—	1.00E+00	ug/L	—	U	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.2	—	—	2.50E+00	ug/L	J	J	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.00E+00	ug/L	J	JN-	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.00E+00	ug/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.6	—	—	1.00E+00	ug/L	—	U	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.4	—	—	1.00E+00	ug/L	J	J	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.5	—	—	1.00E+00	ug/L	J	J	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	1	—	—	1.00E+00	ug/L	U	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.5	—	—	2.50E+00	ug/L	U	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	50.7	—	—	3.20E-02	mg/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	119	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	120	—	—	1.00E+00	ug/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	131	—	—	1.00E+00	ug/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	ug/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	129	—	—	1.00E+00	ug/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	131	—	—	1.00E+00	ug/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.93	—	—	5.00E-02	ug/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.9	—	—	5.00E-02	ug/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.7	—	—	5.00E-02	ug/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.96	—	—	5.00E-02	ug/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	5.00E-02	ug/L	—	—	194647	GU070900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	172551	GU060900GC4S01	GELC
Spring 4C	04/24/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.5	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12105	GELC
Spring 4C	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.3	—	—	1.00E+00	ug/L	—	—	194647	GF070900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.7	—	—	1.00E+00	ug/L	—	J+	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.6	—	—	1.00E+00	ug/L	—	—	172551	GF060900GC4S01	GELC
Spring 4C	04/24/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.3	—	—	1.00E+00	ug/L	—	—	08-1065	CAWR-08-12106	GELC
Spring 4C	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1.00E+00	ug/L	—	—	194647	GU070900GC4S01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 4C	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10	—	—	1.00E+00	ug/L	—	J+	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9	—	—	1.00E+00	ug/L	—	—	172551	GU060900GC4S01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76	—	—	7.30E-01	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.9	—	—	7.25E-01	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74	—	—	7.25E-01	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.25E-01	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.2	—	—	1.45E+00	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.2	—	—	7.25E-01	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	N	J+	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	3.00E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	3.60E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	3.60E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.60E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	N	J+	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	3.00E-02	mg/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	3.60E-02	mg/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	3.60E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	3.60E-02	mg/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.94	—	—	6.60E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4	—	—	6.60E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.96	—	—	6.60E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.1	—	—	6.60E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.06	—	—	5.30E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	4.11	—	—	6.60E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.38	—	—	3.30E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.352	—	—	3.30E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	3.30E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.424	—	—	3.30E-02	mg/L	—	U	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.421	—	—	3.00E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.423	—	—	3.30E-02	mg/L	—	U	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.1	—	—	4.30E-01	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.5	—	—	4.25E-01	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.5	—	—	4.40E-01	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.2	—	—	8.50E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	8.50E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63	—	—	4.30E-01	mg/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.1	—	—	4.25E-01	mg/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.4	—	—	4.40E-01	mg/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.9	—	—	8.50E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.2	—	—	8.50E-02	mg/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.96	—	—	8.50E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.49	—	—	8.50E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.57	—	—	8.50E-02	mg/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	8.50E-02	mg/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.76	—	—	5.00E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.688	—	—	1.00E-02	mg/L	—	—	194659	GF070900G5SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.726	—	—	1.00E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.664	—	—	1.40E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.634	—	—	1.70E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	0.66	—	—	1.40E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.413	—	—	5.00E-02	ug/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	185322	GF070400G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	ug/L	—	J-	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	172411	GF060900G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.392	—	—	5.00E-02	ug/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	ug/L	U	—	146889	GF05090G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.405	—	—	5.00E-02	ug/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.13	—	—	5.00E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.09	—	—	5.00E-02	mg/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	67.4	—	—	3.20E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	3.20E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	67	—	—	3.20E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	64.3	—	—	3.20E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	66.1	—	—	3.20E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	66.4	—	—	3.20E-02	mg/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	4.50E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00E+00	uS/cm	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00E+00	uS/cm	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.52	—	—	1.00E-01	mg/L	—	J-	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.75	—	—	1.00E-01	mg/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.73	—	—	1.00E-01	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.73	—	—	1.00E-01	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.92	—	—	5.70E-02	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.72	—	—	1.00E-01	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.38E+00	mg/L	—	—	194659	GF070900G5SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	177	—	—	2.38E+00	mg/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.38E+00	mg/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	173	—	—	2.38E+00	mg/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	196	—	—	2.38E+00	mg/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.663	—	—	3.30E-01	mg/L	J	J	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.338	—	—	3.30E-01	mg/L	J	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.433	—	—	3.30E-01	mg/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.892	—	—	3.30E-01	mg/L	J	—	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.115	—	—	2.40E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.044	—	—	2.40E-02	mg/L	J	U	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.024	—	—	2.40E-02	mg/L	U	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01	—	—	1.00E-02	mg/L	U	R, UJ	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.14	—	—	1.00E-02	mg/L	—	U	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01	—	—	1.00E-02	mg/L	U	UJ, R	172411	GU060900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	1.00E-02	SU	H	J	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.87	—	—	1.00E-02	SU	H	J	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.66	—	—	1.00E-02	SU	H	J	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.67	—	—	1.00E-02	SU	H	J	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.69	—	—	1.00E-02	SU	H	J	172411	GU060900G5SW01	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	110	—	—	6.80E+01	ug/L	J	J	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	632	—	—	6.80E+01	ug/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	77	—	—	6.80E+01	ug/L	J	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	ug/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.8	—	—	1.00E+00	ug/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	ug/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.1	—	—	1.00E+00	ug/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.5	—	—	1.00E+00	ug/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.8	—	—	1.00E+00	ug/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.3	—	—	1.00E+00	ug/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	10.3	—	—	1.00E+01	ug/L	J	J	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.00E+01	ug/L	J	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.7	—	—	1.00E+01	ug/L	J	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.00E+01	ug/L	J	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.00E+01	ug/L	J	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.3	—	—	1.00E+01	ug/L	J	J	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.00E+01	ug/L	J	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.00E+01	ug/L	J	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.2	—	—	1.00E+01	ug/L	J	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.00E+01	ug/L	J	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	2.50E+00	ug/L	J	J	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	5.1	—	—	1.00E+00	ug/L	—	U	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	1.00E+00	ug/L	—	—	185322	GF070400G5SW01	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2	—	—	1.00E+00	ug/L	J	JN-	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	3.8	—	—	1.00E+00	ug/L	J	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.1	—	—	2.50E+00	ug/L	J	J	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	5.8	—	—	1.00E+00	ug/L	—	U	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.9	—	—	1.00E+00	ug/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.3	—	—	1.00E+00	ug/L	J	JN-	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	3.9	—	—	1.00E+00	ug/L	J	—	146889	GU05090G5SW01	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	25	—	—	2.50E+01	ug/L	U	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	2.50E+01	ug/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	492	—	—	2.50E+01	ug/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	84.4	—	—	1.80E+01	ug/L	J	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	18	—	—	1.80E+01	ug/L	U	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.00E-01	ug/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.3	—	—	2.00E+00	ug/L	J	J+, U	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	2	—	—	2.00E+00	ug/L	J	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.89	—	—	1.00E-01	ug/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	3.3	—	—	2.00E+00	ug/L	J	U, J+	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	ug/L	U	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.53	—	—	5.00E-01	ug/L	J	J	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1	—	—	5.00E-01	ug/L	J	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	5.00E-01	ug/L	J	J	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.95	—	—	5.00E-01	ug/L	J	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.5	—	—	5.00E-01	ug/L	U	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.53	—	—	5.00E-01	ug/L	J	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.3	—	—	3.20E-02	mg/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85	—	—	1.00E+00	ug/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.6	—	—	1.00E+00	ug/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.7	—	—	1.00E+00	ug/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	90.5	—	—	1.00E+00	ug/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.6	—	—	1.00E+00	ug/L	—	—	146889	GF05090G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	84.6	—	—	1.00E+00	ug/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.7	—	—	1.00E+00	ug/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.1	—	—	1.00E+00	ug/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.4	—	—	1.00E+00	ug/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86.8	—	—	1.00E+00	ug/L	—	—	146889	GU05090G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	ug/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	ug/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.67	—	—	5.00E-02	ug/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.53	—	—	5.00E-02	ug/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	ug/L	—	—	146889	GF05090G5SW01	GELC



Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.7	—	—	5.00E-02	ug/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.83	—	—	5.00E-02	ug/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	ug/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	5.00E-02	ug/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.55	—	—	5.00E-02	ug/L	—	—	146889	GU050900G5SW01	GELC
Spring 5	04/30/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.9	—	—	1.00E+00	ug/L	—	—	08-1087	CAWR-08-12116	GELC
Spring 5	09/25/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10	—	—	1.00E+00	ug/L	—	—	194659	GF070900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.8	—	—	1.00E+00	ug/L	—	—	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.5	—	—	1.00E+00	ug/L	—	—	146889	GF050900G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	ug/L	—	—	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.1	—	—	1.00E+00	ug/L	—	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.4	—	—	1.00E+00	ug/L	—	J+	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.2	—	—	1.00E+00	ug/L	—	—	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.4	—	—	1.00E+00	ug/L	—	—	146889	GU050900G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.62843	8.20E-01	8.24E+00	—	pCi/L	U	U	08-1116	CAWR-08-12114	ARSL
Spring 5	09/25/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	—	U	2409	UU070900G5SW01	UMTL
Spring 5	05/01/07	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19158	9.58E-02	2.87E-01	—	pCi/L	—	U	2336	UU070400G5SW01	UMTL
Spring 5	09/19/06	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	—	U	2273	UU060900G5SW01	UMTL
Spring 5	09/27/05	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	0	2.46E+01	2.53E+02	—	pCi/L	U	U	146889	GU050900G5SW01	GELC
Spring 5	04/30/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	1.56	—	—	1.30E+00	ug/L	J	J	08-1087	CAWR-08-12114	GELC
Spring 5	09/25/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	194659	GU070900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	—	6.08	—	—	1.25E+00	ug/L	—	—	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.25E+00	ug/L	U	—	172411	GU060900G5SW01	GELC
Spring 5	10/07/03	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	—	ug/L	U	—	89802	GU03080G5SW01	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.1	—	—	7.30E-01	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	3.00E-02	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.88	—	—	3.00E-02	mg/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.94	—	—	6.60E-02	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.429	—	—	3.30E-02	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.3	—	—	4.30E-01	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.8	—	—	4.30E-01	mg/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.16	—	—	8.50E-02	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.95	—	—	8.50E-02	mg/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.306	—	—	5.00E-02	ug/L	—	J	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	4.50E-02	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	130	—	—	1.00E+00	uS/cm	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.04	—	—	1.00E-01	mg/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	J	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.408	—	—	3.30E-01	mg/L	J	J	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2	—	—	1.50E+00	ug/L	J	J	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	4.3	—	—	1.00E+00	ug/L	J	J	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	4.3	—	—	1.00E+00	ug/L	J	J	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	10.3	—	—	1.00E+01	ug/L	J	J	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.50E+00	ug/L	J	J	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	2.50E+00	ug/L	J	J	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	08-1054	CAWR-08-12124	GELC

Location	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.58	—	—	5.00E-01	ug/L	J	J	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.2	—	—	3.20E-02	mg/L	E	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.4	—	—	3.00E-01	ug/L	J	J	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.21	—	—	5.00E-02	ug/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.25	—	—	5.00E-02	ug/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	ug/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.001	7.00E-04	3.80E-02	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00952	2.27E-03	6.20E-02	—	pCi/L	U	U	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.93	4.33E-01	3.00E+00	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.933	3.67E-01	3.50E+00	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	69.5	2.23E+01	2.50E+02	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.41	2.47E+00	2.30E+01	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00992	3.03E-03	3.50E-02	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00241	2.90E-03	4.30E-02	—	pCi/L	U	U	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00198	1.13E-03	3.50E-02	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00482	1.97E-03	4.20E-02	—	pCi/L	U	U	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	22.2	4.67E+00	2.90E+01	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.142	3.67E-01	3.80E+00	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0709	2.20E-02	2.30E-01	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.121	6.00E-03	7.20E-02	—	pCi/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.178	8.33E-03	1.10E-01	—	pCi/L	—	—	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.63E-03	3.40E-02	—	pCi/L	U	U	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0174	2.63E-03	5.20E-02	—	pCi/L	U	U	08-1054	CAWR-08-12124	GELC
Spring 9B	04/23/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0699	4.33E-03	4.50E-02	—	pCi/L	—	—	08-1054	CAWR-08-12125	GELC
Spring 9B	04/23/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.116	6.67E-03	6.90E-02	—	pCi/L	—	—	08-1054	CAWR-08-12124	GELC

# **Appendix E**

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## *Screening Results*



The following pages provide (1) definitions for other codes, (2) laboratory qualifier codes, (3) secondary validation flag codes, and (4) secondary validation reason codes. Refer to each of these sets of codes while reviewing the tables in Appendix E.

**Definitions for Other Codes**

Field Prep Code	
Field Prep Code	Description
ASHED	Ashed
CRUSH	Crushed
F	Filtered
NA	Not Applicable
SV	Sieved
UA	Unassigned
UF	Unfiltered
UNK	Unknown
Field QC Type Code	
Field QC Type Code	Description
CO	Collocated
EQB	Equipment Blank
FB	Field Blank
FD	Field Duplicate
FPR	Field Prepared Reagent
FPS	Field Prepared Spike
FR	Field Rinsate
FS	Field Split
FTB	Field Trip Blank
FTR	Field Triplicate
INB	Equipment blank taken during installation and not assoc with a sampling event
ITB	Trip blank taken during installation and not assoc with a sampling event
NA	Not Applicable
PE	Performance Evaluation
PEB	Performance Evaluation Blank
PEK	Performance Evaluation Known
RES	Resample
SS	Special Sampling Event, Data Unique
UA	Unassigned

**Definitions for Other Codes (continued)**

Analyte Suite Code	
Suite Code	Description
DIOX/FUR	Dioxins and Furans
DRO	Diesel Range Organics
GENINORG	General Inorganics
HERB	Herbicides
HEXP	High Explosives
METALS	Metal
PEST/PCB	Pesticides and PCBs
RAD	Radionuclides
SVOA	Semivolatile Organics
VOA	Volatile Organics
Lab Sample Type Code	
Lab Sample Type Code	Description
BLIND	Blind QC
BS	Blank Spike
BSD	Blank Spike Duplicate
CS	Client Sample
DL	Dilution
DUP	Duplicate
LCS	Lab Control Sample
LCSD	Lab Control Sample Duplicate
LCST	Laboratory Control Sample Triplicate
MB	Method Blank
MBD	Method Blank Duplicate
MBT	Method Blank Triplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MSQD	Matrix Spike Quadruplicate
MSQT	Fifth Matrix Spike
MST	Matrix Spike Triplicate
QNT	Fifth Replicate
QUD	Quadruplicate
RE	Reanalysis
REDP	Reanalysis Duplicate
RETRP	Reanalysis Triplicate
RI	Reissue
RID	Reissue Duplicate
SXT	Sixth Replicate
TOTC	Calculated Total
TOTCD	Calculated Total for a Duplicate
TRP	Triplicate

### Laboratory Qualifier Codes

Lab Qualifier Code	Laboratory Qualifier Description
*	*(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
**	** (Organic) and (Inorganic)—The result for this analyte in the laboratory control sample analysis was outside acceptance criteria.
*E	*(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative.
ABJ	(A) (Organic)—The tentatively Identified compound is an aldol condensate. (B) (Organic).—This analyte was detected in the associated Laboratory Method Blank and the sample. (J) (Organic)—The reported analyte is a tentatively identified compound (TIC).
AJ	A (Organic)—The tentatively Identified compound is an aldol condensate. (J) (Organic)—The reported analyte is a tentatively identified compound (TIC).
B	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit.
B*	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the Instrument detection limit but less than the contract required detection limit. *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
B*E	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative.
BE	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative.
BE*	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.

## Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Laboratory Qualifier Description
BEN	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the Instrument detection limit but less than the contract required detection limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
BEN*	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
BJ	(B) (Organic)—This analyte was detected in the associated Laboratory Method Blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL).
BJN	(B) (Organic)—This analyte was detected in the associated Laboratory Method Blank and the sample. (J) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Organic)—The reported analyte is a tentatively identified compound (TIC).
BJP	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
BN	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
BN*	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.



## Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Laboratory Qualifier Description
BNE	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative.
BP	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
BPX	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
BW	(B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit. (W) (Inorganic GFAA CLP)—The result for this analyte in the postdigestion spike sample was outside acceptance criteria.
D	(D) (Organic)—The result for this analyte was reported from a dilution.
DJ	(D) (Organic)—The result for this analyte was reported from a dilution. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL).
DP	(D) (Organic)—The result for this analyte was reported from a dilution. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
DPX	(D) (Organic)—The result for this analyte was reported from a dilution. (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.

## Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Laboratory Qualifier Description
E	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative.
E*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
EJ	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL).
EJ*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
EN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
H	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.

## Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Laboratory Qualifier Description
H*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. *(Organic) and (Inorganic)—The result for this analyte in the laboratory control sample analysis was outside acceptance criteria.
HJ	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL).
HJ*	(H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
I	(I) (DIOXIN)—The lab is reporting an interference for the associated congener. The reported concentration is an Estimated Maximum Possible Concentration (EMPC) due to the reported interference.
J	(J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL).
J*	(J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
JN	(J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
JN*	(J) (Organic/Inorganic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. *(Inorganic)—The result for this analyte in the laboratory replicate analysis was outside acceptance criteria.
JP	(J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the Practical Quantitation Limit (PQL). (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
JPX	(J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
JX	(J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL). (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.

## Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Laboratory Qualifier Description
L	(L) (Inorganic)—The result for this analyte in the serial dilution sample indicates physical and chemical interferences are present.
LT	(LT) (Rad)—The result for this analyte is affected by spectral interference.
N	(N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
N*	(N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
P	(P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference.
PJ	(P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (PQL).
PX	(P) (Pesticides/PCBs)—The quantitative results for this analyte between the primary and secondary GC columns were greater than 25% difference. (P) (SW-846 EPA Method 8310 High Pressure Liquid Chromotography, HPLC results)—The quantitative results for this analyte between the primary and secondary HPLC columns or primary and secondary HPLC detectors were greater than 40% difference. (X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
Q	(Q)—The result for this analyte was reported at an elevated reporting limit.
SI	(SI) (Rad)—Gamma spectroscopy result should be regarded as an uncertain identification due to spectral interference.
SQ	(SQ) (Rad)—Gamma spectroscopy result should be regarded as an uncertain identification due to spectral interference.
TI	(TI) (Rad)—Gamma spectroscopy result should be regarded as an uncertain identification due to spectral interference.
U	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit.
U*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
UE	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative.

## Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Laboratory Qualifier Description
UEN	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICP-AES)—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (GFAA)—The result for this analyte failed one or more CLP acceptance criteria as explained in the case narrative. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
UH	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded.
UH*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (H) (Organic/Inorganic)—The required extraction or analysis holding time for this result was exceeded. *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
UI	(UI) (Rad)—Gamma spectroscopy result should be regarded as an uncertain identification.
UJ	(UJ) (Organic)—Legacy CST lab code should not be used.
UL	UL (all suites)—Not detected legacy—This lab qualifier code is applied by WQ personnel for CST data and other legacy data that was reported as not detected using the less than symbol without the laboratory assigning a U lab code.
UN	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
UN*	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria. *(Inorganic)—The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
UUI	(UUI) (Rad)—Gamma spectroscopy result should be regarded as an uncertain identification and the lab assigned these gamma spectroscopy results as not detected.
UW	(U) (Organic/Inorganic)—The result for this analyte was not detected at the specified reporting limit. (W) (Inorganic GFAA CLP)—The result for this analyte in the postdigestion spike sample was outside acceptance criteria.
UY2	(UY2) (Rad)—Result should be regarded as an uncertain identification due to spectral interference.
W	(W) (Inorganic GFAA CLP)—The result for this analyte in the postdigestion spike sample was outside acceptance criteria.
X	(X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected.
XB	(X) (Organic/Inorganic)—The result for this analyte should be regarded as not detected. (B) (Organic)—This analyte was detected in the associated laboratory method blank and the sample. (B) (Inorganic)—The result for this analyte was greater than the instrument detection limit but less than the contract required detection limit.

### Secondary Validation Flag Codes

Valid Flag Code	Valid Flag Desc
A	The contractually required supporting documentation for this datum is absent.
GUP	Matrix and Units are inconsistent.
IUP	Matrix and Units are inconsistent.
J	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual.
J+	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
J-	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
JN+	Presumptive evidence of the presence of the material at an estimated quantity with a suspected positive bias.
JN-	Presumptive evidence of the presence of the material at an estimated quantity with a suspected negative bias.
JPM	The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual. Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impacts data use.
LIMIT	The limit type is uncertain.
MS	Invalid validation flag. MS indicates a laboratory matrix spike sample.
MSD	Invalid validation flag. MSD indicates a laboratory matrix spike duplicate sample.
N	Presumptive evidence of the presence of the material.
NJ	(Organic)—Analyte has been tentatively identified and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
NUP	Matrix and Units are inconsistent B.
P	Use professional judgment based on data use. A decision must be made by the project manager or a delegate with regard to the need for further review of the data. This review should include some consideration of potential impact that could result from using the P-qualified data.
PM	Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impacts data use.
R	The reported sample result is classified as rejected due to serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.

**Secondary Validation Flag Codes (continued)**

Valid Flag Code	Valid Flag Description
RPM	The reported sample result is classified as rejected due to serious noncompliances regarding quality control acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
RUP	Matrix and units are inconsistent C.
U	The analyte is classified as not detected.
UA	Invalid validation flag of unknown meaning.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.
VUP	Matrix and units are inconsistent D.

### Secondary Validation Reason Codes

Valid Reason Code	Valid Reason Description
C12d	VOC_C12d
DR12a	ORGANIC_ODRO12a
DR3b	ORGANIC_ODRO3b
DR9a	ORGANIC_ODRO9a
G165b	GAMMA_GR165b
G165c	GAMMA_GR165c
G16b	GAMMA_G16b
G16bc	GAMMA_GR16bc
G16c	GAMMA_G16c
G3TPU	The sample result is less than or equal to 3 times the 1-sigma total propagated uncertainty.
G9a	GAMMA_G9a
G9ra	GAMMA_G9ra
GADM1	GAMMA_GADMIN1
GADMI	GAMMA_GADMIN1
GCZ	CST put zeros in the TPU field to indicate nondetects, therefore not detected (U).
GI16b	GAMMA_GI16b
GI16c	GAMMA_GI16c
GI16d	GAMMA_GI16d
GI4	GAMMA_GI4
GI5	GAMMA_GI5
GIQ	GIQ
GIR16	GAMMA_GIR16c
GJCST	Chemical Sciences and Technology validators assigned a J qualifier to this sample result. The hardcopy validation report should be reviewed to determine the reason for applying the J qualifier.
GJLAB	GJLAB_GAMMA



**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
GLCS	The percent recovery from the laboratory control sample for this analyte was less than 10%.
GNONE	A reason code is not available in the database for the data qualifier(s) applied to this sample result.
GNPO	The reported result should be regarded as rejected because no peak was observed for this radionuclide in the gamma spectrum.
GNQ	The reported result should be regarded as rejected because the gamma spectrum peak was not quantitated.
GR1	The tracer yield information is missing. Data may not be acceptable for use.
GR10	GAMMA_GR10
GR10a	GAMMA_GR10a
GR11	GAMMA_GR11
GR15b	GAMMA_GR15b
GR15c	GAMMA_GR15c
GR16	GAMMA_GR16
GR165	GAMMA_GR165b
GR166	GAMMA_GR166
GR16a	GAMMA_GR16a
GR16b	GAMMA_GR16b
GR16c	GAMMA_GR16c
GR16d	GAMMA_GR16d
GR16g	GAMMA_GR16g
GR17c	GAMMA_GR17c
GR19	The validator identified quality deficiencies in the reported data that require qualification.
GR1a	The tracer %R value is less than 10%.
GR1c	The MDC for the affected analytes are qualified as estimated because the associated tracer recovery was less than 30% but greater than 10% and the result is a nondetect.
GR1d	The results for the affected analytes are qualified as estimated and biased high because the associated tracer yield was greater than 105%.
GR3	The matrix spike information is missing. Data may not be acceptable for use.
GR3a	ORGANIC_OGRO3a

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
GR3b	ORGANIC_OGRO3b
GR3c	ORGANIC_OGRO3c
GR3d	ORGANIC_OGRO3d
GR3e	The results for the affected analytes are qualified as estimated and biased low because the associate matrix spike recovery was less than the LAL but greater than 10%, and the results are nondetect.
GR4	GAMMA_GR4
GR4a	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration is less than or equal to 5x the associated sample concentration.
GR5	GAMMA_GR5
GR54	GAMMA_GR54
GR5a	The MDC and/or TPU documentation is missing. Data may not be acceptable for use.
GR5b	GR5b
GR6	GAMMA_GR6
GR6a	GR6a
GR6b	The results for the affected analytes should be regarded as rejected because the LCS %R was less than 10%.
GR6c	The results for the affected analytes are qualified as estimated and biased low because the associated LCS was less than the LAL but greater than 10%, and the results are detected.
GR6d	The results for the affected analytes are qualified as estimated and biased low because the associated LCS was less than the LAL but greater than 10%, and the results are nondetect.
GR6e	GR6e
GR7	GAMMA_GR7
GR7a	The results for the affected analytes are qualified as estimated because the associated duplicate results were prepared separately from the original analysis.
GR7b	GAMMA_GR7b
GR7c	The affected analytes are qualified as rejected because the RER was greater than 4.
GR8	GAMMA_GR8
GR9	GAMMA_GR9

### Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
GR9a	GAMMA_GR9a
GR9b	GAMMA_GR9b
GRA	GAMMA_GRA
GRLAB	R Lab Gamma
GRNA	GAMMA_GRNA
GRR16	GAMMA_GRR16c
GRR1b	GAMMA_GRR1b
GRR6c	GAMMA_GRR16c
GSI	The reported result for this radionuclide should be regarded as rejected (R) due to spectral interference in the gamma spectrum.
GTI	The reported result should be regarded as rejected because the radionuclide identification based on the gamma spectrum is tentative.
GUJC	This analyte should be regarded as not detected because the analytical laboratory assigned a U lab qualifier. Chemical Sciences and Technology validators assigned the J qualifier. The hardcopy validation report should be reviewed to determine the reason for applying the J qualifier.
GULAB	This analyte should be regarded as not detected because the analytical laboratory assigned a U lab qualifier.
GUP_R	Gamma: Units and matrix inconsistent.
GZR	The result for this radionuclide was reported as zero (0); therefore, this analyte should be regarded as not detected.
GZUNC	Chemical Sciences and Technology division reported this result with an uncertainty value of zero (0), indicating that this analyte should be regarded as not detected.
G_LIA	The sample was lost in analysis. Results are not available for this sample.
G_MDA	The limit type (e.g., MDA, MDC, or DLC) was not reported by the analytical laboratory; the reported limit value has been saved in the MDA field.
G_NQ	No data qualifier flag has been applied to this sample result.
G_TPU	Result less than or equal to $3 * 1\text{-sigma TPU}$ , therefore not detected (U).
H10	The affected analytes are considered suspect because the sample was diluted without any target analytes identified due to matrix interference.
H11	The required retention time information is missing. Data may not be acceptable for use.
H11a	The affected analytes should be regarded as rejected because the associated retention times have shifted by more than 0.05 minutes from the initial calibration.
H12	Required LCS data are missing. The LCS analyte recoveries could not be evaluated. Data may not be acceptable for use.
H12a	H12a

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
H12b	HEXP_H12b
H12c	HEXP_H12c
H12d	HEXP_H12d
H14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
H14b	The matrix spike and/or the matrix spike duplicate analyses were not performed on a sample associated with a LANL request number.
H14c	The matrix spike and/or the matrix spike duplicate were analyzed on a sample associated with a different LANL request number but no summary was included.
H15	Because the sample was damaged, lost, or of insufficient quantity, the laboratory was unable to analyze it.
H16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
H19	The validator identified quality deficiencies in the reported data that require qualification.
H3	The surrogate percent recovery is greater than the UAL, which indicates the potential for a high bias in the results and the potential for false positive results
H3a	The surrogate percent recovery is less than the LAL but greater than 10%R, which indicates the potential for a low bias in the detected results.
H3b	The surrogate is less than 10%R, which indicates the potential for a severely low bias in the results.
H3c	The reporting limit is approximated for nondetects because a surrogate percent recovery is lower than the LAL but greater than or equal to 10%R, which indicates an increased potential for false negative results.
H3d	The surrogate recovery is less than 10% and the result is a nondetect, which indicates significant potential for false negative results.
H3e	At least one surrogate percent recovery exceeds its upper UAL and at least one surrogate is less than its LAL, which indicates a greater than normal degree of uncertainty in the data.
H3f	At least one surrogate is less than 10%R and the sample result is a detect, which indicates the potential for a severely low bias in the results.
H3g	Required surrogate information is missing. Data may not be acceptable for use.
H4	The sample result is greater than the EQL and less than 5 times the concentration of the related analyte in the blank, which indicates that the reported detection is considered indistinguishable from blank contamination.
H4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was greater than 5x.
H4b	Required method blank information is missing. Data may not be acceptable for use.
H5	The sample result is less than the EQL and less than 5 times the concentration of the analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.

### Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
H5a	Method-blank data is missing, or method blank was not analyzed. Data may not be acceptable for use.
H6	The recovery of the LCS analyte is greater than the UAL, which indicates the potential for high bias in the results and for false positive results.
H6a	HEXP_H6a
H6b	The of the LCS analyte percent recovery is less than the LAL and greater than or equal to 10%R, which indicates (1) the reporting limit is approximate and probably biased low for nondetected results, and (2) that detected results likely are biased low.
H6c	H6c
H6d	The result is a nondetect and the %R value of surrogates or the analyte in the LCS is less than 10%R, which indicates a greatly increased potential for false negative results.
H7	The affected results were not analyzed with a valid 5 point calibration curve and/or a standard at the reporting limit.
H7a	HEXP_H7a
H7c	The affected analytes should be regarded as estimated and/or rejected because the associated analyte did not have a standard at the reporting limit.
H8	HEXP_H8
H8a	The required confirmation column analysis data is missing. Data may not be acceptable for use.
H9	The holding time is exceeded. The data user should conduct a technical evaluation of the data of interest with respect to the effects of exceeding the holding time. Factors to consider include how long the holding time was exceeded, sample preservation, sample storage practices, use of the data, levels of contamination found in the sample, and the physical, chemical, and biological stability of the target analytes in the sample matrix.
H9a	H9a
H9b	HEXP_H9b
HEQLM	The result should be regarded as estimated (J) because the result was less than the EQL but greater than the MDL.
HERB	ORGANIC_HERB 3A
HERB1	ORGANIC_HERB12A
HERB3	ORGANIC_HERB3
HERB4	ORGANIC_HERB4
HERB8	ORGANIC_HERB8
HERB9	ORGANIC_HERB9
HHOLD	The result should be regarded as rejected (R) because the holding time was exceeded by more than 2 times.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
HJCST	CST assigned the J qualifier, need hard copy to determine CST's reason.
HNONE	No reason for historic HEXP data.
HNQ	HNQ
HQCBL	The J or R qualifier should not be accepted because the qualifier was assigned by CST based on a noncertified standard. The J or R qualifier should be ignored.
HR12a	ORGANIC_HERB12A
HR12b	ORGANIC_HERB12B
HR12c	ORGANIC_HERB12C
HR12d	ORGANIC_HERB12D
HR3a	ORGANIC_HERB 3A
HR3b	ORGANIC_HERB 3D
HR3d	ORGANIC_HERB3D
HR9	ORGANIC_HERB 9
HRLAB	R Lab HEXP
HSM	HEXP_SPECTRAL MATCH
HUJCS	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
HUJL	HUJL
HUJLA	HUJLA_HEXP
HULAB	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
HWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
HWQ10	Calibration Verification %D exceeded 60%
HWQ2	The spike percent recovery value is greater than or equal to the upper acceptance limit and the result is a detect, which indicates a potential high bias in the sample results.
HWQ3	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
HWQ4	The spike percent recovery value is less than 10% which increases the potential for false negatives being reported. This could be caused by analytical interferences.

## Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
HWQ5	Nonspecified quality control failure; see validation report
HWQ6	The sample was improperly preserved.
HWQ7	Calibration % RSD was greater than the acceptance criteria but less than 60%
HWQ8	Calibration % RSD was greater than 60%
HWQ9	Calibration verification %D exceeded acceptance criteria but was less than 60%
Hba	HEXP_Hba
I	INORGANIC_I
I1	The sample result was reported as detected between the IDL and the EDL. Reported result may be less precise than results that are reported as being above the EDL.
I10	The duplicate sample RPD is greater than the advisory limit and the sample result is a detect. Manual review is suggested to determine the source of the difference between analyses.
I10a	The duplicate sample RPD is greater than the advisory limit and the sample result is a nondetect. Manual review is suggested to determine the source of the difference between analyses.
I10b	The affected analytes should be regarded as estimated because the duplicate results were not analyzed on a LANL sample.
I10c	The affected analytes should be regarded as estimated because the duplicate results exceeded the RPD requirements.
I10d	The affected analytes should be regarded as estimated because the duplicate results were greater than 2x the RL and the RPD was greater than 20 for water and 35 for soils.
I110	INORGANIC_I110
I113a	INORGANIC_I113a
I114b	INORGANIC_I114b
I13	INORGANIC_I13
I134b	INORGANIC_I134b
I13a	Insufficient sample volume was received for a duplicate-sample analysis.
I13b	The duplicate-sample analysis was not performed on a sample associated with this request number.
I13d	INORGANIC_I13d
I14	I14
I14a	Insufficient sample volume was received for a matrix-spike analysis.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
I14b	The matrix-spike analysis was not performed on a sample associated with this request number.
I15	The sample was damaged, lost, or there was insufficient quantity and the analytical laboratory was unable to analyze it.
I15a	An ICV was not reported for this sample.
I15b	A CCV was not reported for this sample.
I16	Relative percent difference is greater than 10% in the serial dilution sample.
I16a	The affected analytes should be regarded as rejected because the ICV/CCV recovered high.
I16b	INORGANIC_I16b
I16c	The affected analytes should be regarded as estimated because the ICV/CCV recovered low.
I16d	The affected analytes should be regarded as rejected because the ICV/CCV recovered less than 10%.
I16e	The affected analytes should be regarded as rejected because the initial calibrations correlation coefficient was less than 0.995
I16z	The affected analytes should be regarded as rejected because the ICV/CCV was not analyzed with the associated samples.
I17d	INORGANIC_I17d
I18	The affected analytes should be regarded as estimated because a serial dilution sample was not analyzed.
I18a	The affected analytes should be regarded as estimated because a serial dilution sample was not analyzed on a LANL sample.
I18b	The affected analytes should be regarded as estimated because the serial dilution sample RPD exceeded criteria.
I19	INORGANIC_I19
I1a	INORGANIC_I1a
I20	INORGANIC_I20
I24b	INORGANIC_I24b
I2h	INORGANIC_I2h
I3	The spike percent recovery value is greater than or equal to the upper acceptance limit (125%) but less than or equal to 150% and the result is a detect, which indicates a potential high bias in the sample results.
I3a	The spike percent recovery value is greater than 30% and less than the lower acceptance limit (75%), and the sample result is a detect, which indicates a potential low bias in the results.
I3b	INORGANIC_I3b
I3c	INORGANIC_I3c



**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
I3d	The spike percent recovery value is less than 30%, and the result is a nondetect, which increases the potential for false negatives being reported. This could be caused by analytical interferences.
I3e	The spike percent recovery value is greater than 30% and less than the lower acceptance limit (75%), and the sample result is a nondetect, which indicates a potential for false negatives being reported.
I3e I	INORGANIC_I3e I4
I3eI4	INORGANIC_I3e I4
I3f	The spike percent recovery value is less than 30% and the sample result is a detect, which indicates a potential low bias.
I3g	The sample result is undetected and the spike percent recovery value is greater than 150%, which indicates a potential bias in the sample result.
I3h	The sample result is detected and the spike percent recovery value is greater than 150%, which indicates a potential high bias in the sample result.
I3j	INORGANIC_I3j
I3I	INORGANIC_I3I
I4	INORGANIC_I4
I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to 5 times the concentration of the related analyte in the blank.
I4b	Preparation blank data were not reported by the analytical laboratory.
I5	The sample result is less than the estimated detection limit (EDL) and is considered to be not detected.
I6	The percent recovery value of the analyte in the LCS is greater than the upper acceptance limit, which indicates a potential for quantitation problems in the analyses and the potential for false positive results being reported.
I6a	The percent recovery value of the analyte in the LCS is less than the lower acceptance limit and the analyte is a detect, which indicates a potential for quantitation problems in the analyses and the potential for false negative results being reported.
I6b	The percent recovery value of the analyte in the LCS is less than the lower acceptance limit and the analyte is a nondetect, which indicates a potential for quantitation problems in the analyses and the potential for false negative results being reported.
I6c	The corresponding LCS or LCS analyte was not analyzed with the associated batch.
I7	The ICS percent recovery value is greater than 120% and the result is a detect, which indicates potential quantitation problems in the analyses and the potential for false positive results being reported.
I7a	The ICS percent recovery value is greater than or equal to 50% and less than 80% and the result is a detect, which indicates a potential for a low bias.
I7b	The ICS percent recovery value is less than 50%, which indicates a greatly increased potential for false negative sample results being reported.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
I7c	The ICS percent recovery value is greater than or equal to 50% and less than 80%, and the result is a nondetect, which indicates a potential for false negative results being reported.
I7d	The ICS data was not provided by the analytical laboratory.
I9	The holding time is exceeded. Positive results may be biased low and nondetected analytes may be false negatives. An evaluation of the data with respect to the technical implications of exceeding the holding time is recommended. Factors to consider include sample preservation; sample storage practices; data use; levels of contamination found in the sample; and the physical, chemical, and biological stability of the target analytes in the sample matrix.
I9a	The affected analytes should be regarded as estimated because the extraction holding time was exceeded by 2 times the acceptable holding time.
IADM1	INORGANIC_IADMIN1
IADMI	INORGANIC_IADMIN1
ICSTZ	CST put zeros in the TPU field to indicate nondetects, therefore not detected (U).
IDRPD	IDRPD
IEQL	INORGANIC_IEQL/MDL
IEQL/	INORGANIC_IEQL/MDL
IH6a	INORGANIC_IH6a
IHOLD	IHOLD
IICP	IICP
IJCST	CST assigned the J qualifier, need hard copy to determine CST's reason.
IJLAB	IJLAB
ILCS	ILCS
ILIA	ILIA
ILOWS	VOC_LOWSTD
ILS	VOC_LOW STD
IMS10	IMS10
IMS30	IMS30
INONE	No reason for historical inorganic data
INQ	INQ

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
IPM	INORGANIC_IPM
IQCBL	IQCBL
IR10b	INORGANIC_IR10b
IR14b	INORGANIC_IR14b
IR3	INORGANIC_IR3
IR3a	INORGANIC_IR3a
IR4	INORGANIC_IR4
IR5	INORGANIC_IR5
IR6a	INORGANIC_IR6a
IR7	INORGANIC_IR7
IR9a	INORGANIC_IR9a
IR9b	INORGANIC_IR9b
IRCST	CST assigned the R qualifier, need hard copy to determine CST's reason.
IU1	INORGANIC_IU1
IU3e	INORGANIC_IU3e
IUA	INORGANIC_IUA
IUJCS	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
IUJLA	IUJLA
IULAB	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
IUP_R	Inorganic: Units and matrix are inconsistent.
IUUJ	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
IV3a	INORGANIC_IV3a
IWQ1	The sample temperature was elevated
IWQ2	Negative blank samples results were greater than the MDL

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
IWQ3	Failed serial dilution RPD
IWQ4	Sample should have been preserved by acidification but was not. Error was not corrected at the laboratory.
IWQ5	Sample should not have been acidified but was. Error could not be corrected at the laboratory.
IWQ6	Nonspecified quality control failure; see validation report
IWQ7	Reporting limit verification recovery was greater than the acceptance criteria.
IZR	IZR
Id	INORGANIC_Id
Is	INORGANIC_Is
J+	VOC_J+
J-	VOC_J-
J_LAB	The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.
LB	Gross contamination exists from a source other than the standard.
LB1	Method-blank data are missing, or method blank was not analyzed at the required frequency.
LB2	ICB/CCB data are missing, or ICB/CCB was not run at the required frequency.
LB9	The sample result is less than 5 times the concentration of the related analyte in the blank.
LC1	The frequency of the CCV did not meet method criteria.
LC2	The CCV %D failed high.
LC3	The CCV %D failed low.
LCO	Suspected carryover. Compound detected in sample at value < 5X PQL. The previous sample had a value > high standard and required dilution.
LDL1	No CRI was analyzed to verify the reporting limit.
LDL2	The CRI recovery failed high.
LDL3	The CRI recovery failed low.
LDS1	An initial dilution was performed and the surrogate recovery was >= 10% OR <10% but some sample results are >PQL.
LDS2	An initial dilution was performed and the surrogate recovery was 0% and sample results are nondetect.
LDS3	The sample result in a diluted sample was nondetect.
LDS4	The instrument response for a diluted sample result was < half the lowest calibration standard and the sample result is detect.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
LH1	The holding time is exceeded for sample analysis
LH2	The holding time is exceeded for sample extraction
LH3	The holding time is exceeded by greater than twice the specified holding time
LI	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
LI2	A second source ICV (or second standard made from the same stock) was not used to verify the calibration
LI3	The initial calibration %RSD or correlation coefficient failed to meet acceptance criteria.
LI4	The initial calibration slope or RF criteria were not met.
LI5	The initial calibration y-intercept criteria were not met.
LI6	An insufficient number of calibration standards were used and/or all standards were not analyzed within a 24 hour period. Data may not be acceptable for use.
LI7	Points were removed from the calibration curve and the reporting limits were not adjusted accordingly.
LIR1	Chorine isotope ratio criteria not met.
LIS	Required IS information is missing.
LIS1	The IS area count failed high.
LIS2	The IS area count failed low.
LIS4	The IS RT is >30sec from that of the associated standard.
LIV2	The ICV %D failed high.
LIV3	The ICV %D failed low.
LL1	The frequency of the LCS did not meet the specified criteria.
LL2	The LCS %R failed high.
LL3	The LCS %R failed low.
LL4	The LCS %Rs failed both high and low, or the LCS/LSCD RPD failed to meet criteria.
LMS1	An applicable MS/MSD analysis was not performed.
LMS2	The MS/MSD %R failed high.
LMS3	The MS/MSD %R failed low.
LMS4	Relative percent difference of the MS/MSD is greater than the acceptance criteria or the recoveries fail both high and low.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
LOW S	VOC_LOW STD
LOWST	VOC_LOWSTD
LP1	The sample was improperly preserved.
LP3	Sample not maintained at required temperature
LR1	The sample result exceeded the calibration range.
LR2	Because the sample was damaged, lost, or of insufficient quantity, the laboratory was unable to analyze it.
LRP1	There is no measure of precision for the sample, i.e., no replicate, MSD or LCSD was performed.
LRP2	The replicate precision criteria are not met.
LS	Required surrogate information is missing. Data may not be acceptable for use.
LS1	Surrogate failed high.
LS2	Surrogate failed low.
LS4	The surrogate %R in the blank did not meet acceptance criteria.
LWQ1	specified quality control failure; see report
MDL	ORGANIC_OEQL/MDL
N3TPU	NONE_<3*TPU result less than or equal to 3 * 1-sigma TPU, therefore not detected (U).
NJCST	NONE_J_CST
NJLAB	NONE_J_LAB
NND	NONE_NONDETECT
NNQ	NONE_NQ
NQ	The analytical laboratory did not qualify the analyte as not detected and/or any other standard qualifier. The analyte is detected in the sample.
NS12a	SVOC_SVV12a
NS12c	SVOC_SVV12c
NS1a	SVOC_SVVS1a
NUA	NONE_NUA
NULAB	NONE_U_LAB This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
NUP_R	Units and matrix are inconsistent.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
O12d	ORGANIC_OSV12d
O5XBL	ORGANIC_O5XBLANK
ODRO1	ORGANIC_ODRO12a
ODRO3	ORGANIC_ODRO3
ODRO4	ORGANIC_ODRO4
ODRO5	ODRO5_ORGANIC
ODRO7	ODRO7_ORGANIC
ODRO9	ORGANIC_ODRO9
OEQL/	ORGANIC_OEQL/MDL
OGR3b	OGR3b_ORGANIC
OGR3c	OGR3c_ORGANIC
OGRO3	ORGANIC_OGRO3
OGRO7	OGRO7_ORGANIC
OGRO9	ORGANIC_OGRO9
OH12b	ORGANIC_OH12b
OH9	ORGANIC_OH9
OI3	ORGANIC_OI3
OI4	ORGANIC_OI4
OI9	ORGANIC_OI9
ONONE	ORGANIC_ONONE
ONQ	ONQ
OP12a	ORGANIC_OP12a
OP12b	ORGANIC_OP12b
OP3	ORGANIC_OP3
OP3a	ORGANIC_OP3a
OP3b	ORGANIC_OP3b

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
OP3c	ORGANIC_OP3c
OP3d	ORGANIC_OP3d
OP4	ORGANIC_OP4
OP5	ORGANIC_OP5
OP6	ORGANIC_OP6
OP7	ORGANIC_OP7
OP7a	ORGANIC_OP7a
OP9	ORGANIC_OP9
OP9a	OP9a Organic
OPa	ORGANIC_OPa
OR1	INORGANIC_OR1
OSIN	ORGANIC_OSIN
OSV12	ORGANIC_OSV12d
OSV1a	ORGANIC_OSV1a
OSV3	ORGANIC_OSV3
OSV3a	ORGANIC_OSV3a
OSV4	ORGANIC_OSV4
OSV4a	ORGANIC_OSV4a
OSV7	ORGANIC_OSV7
OSV7a	ORGANIC_OSV7a
OSV9	ORGANIC_OSV9
OUJLA	O_UJ_LAB
OULAB	O_U_LAB This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
OV3	OV3
OV36	ORGANIC_OV36
OV3a	ORGANIC_OV3a



### Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
OV3b	ORGANIC_OV3b
OV3c	ORGANIC_OV3c
OV4	INORGANIC_OV4
OV7	ORGANIC_OV7
OV7a	ORGANIC_OV7a
OV9	ORGANIC_OV9
P10	The breakdown criteria have been exceeded, which indicates poor instrument performance, which can result in a low bias in the reported results and potential the labile compounds Endrin and 4,4'-DDT.
P10a	The breakdown criteria have been exceeded, which indicates poor instrument performance, which can result in a high bias in the reported results and potential false positive results for the breakdown products Endrin ketone, Endrin aldehyde, DDD, and DDE.
P10b	The breakdown recovery data are missing. The analyte breakdown could not be evaluated.
P10c	The affected analytes are considered suspect because the sample was diluted without any target analytes identified due to matrix interference.
P11	The surrogate retention time has shifted by more than 0.05 min, possibly affecting analyte identification and causing false positives or negatives to be reported.
P11a	The surrogate recovery data are missing. Surrogate recoveries could not be evaluated.
P11b	The affected analytes are considered estimated because the confirmed analytes was outside the retention time windows.
P12	The LCS data are missing. The LCS analyte recoveries could not be evaluated.
P12a	The LCS analyte is less than 10%R, which indicates the potential for a severely low bias in the results.
P12b	The LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for a low bias in the results.
P12c	The result is a nondetect and the LCS analyte is greater than 10%R but less than the LAL, which indicates the potential for false negative results.
P12d	The LCS analyte %R value is greater than the UAL, which indicates the potential for high bias in the results and for false positive results.
P13	The Florisil cleanup not conducted; interferences may have increased analytical uncertainty and the potential for both false positives and false negatives.
P13a	The GPC cleanup was not conducted on this soil sample; interferences may have increased analytical uncertainty and the potential for both false positives and false negatives.
P13b	The appropriate cleanup was not conducted; interferences may have increased the analytical uncertainty and the potential for both false positives and false negatives. Examples of required cleanups are sulfur contamination (sulfur cleanup required), interferences in PCB samples (sulfuric acid cleanup required), and high molecular weight interferences in water samples (GPC cleanup required).

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
P14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
P14b	The matrix spike and/or the matrix spike duplicate analysis were not performed on a sample associated with a LANL request number.
P14c	The matrix spike and/or the matrix spike duplicate were analyzed on a sample associated with a different LANL request number but no summary was included.
P15	Because the sample was damaged, lost, or of insufficient quantity, the laboratory was unable to analyze it.
P16	Required continuing calibration information is missing. Data may not be acceptable for use.
P19	The validator identified quality deficiencies in the reported data that require qualification.
P23B	P23B
P3	The surrogate %R value is greater than the UAL, which indicates the potential for a high bias in the results and a potential for false positive results.
P3a	The surrogate is greater than 10%R but less than the LAL, which indicates the potential for low bias in the results.
P3b	The surrogate is less than 10%R, which indicates the potential for a severely low bias in the results.
P3c	The result is less than the EQL and the surrogate %R value is greater than 10 % but less than the LAL, which indicates a potential for false negative results being reported.
P3d	The result is less than the EQL and the surrogate less than 10%R, which indicates a significant potential for false negative results.
P3e	One surrogate recovery is greater than the UAL and one surrogate recovery is less than the LAL, which indicates increased uncertainty in reported results.
P3f	The surrogate information is missing. Data may not be acceptable for use.
P4	The sample result is a detect but less than 5 times the concentration of the related analyte in the blank, which indicates that the reported detection is considered indistinguishable from blank contamination.
P46	PESTPCB_P46
P4a	The method blank or instrument blank documentation is missing.
P4b	The surrogate information is missing. Data may not be acceptable for use.
P5	PESTPCB_P5
P6	PESTPCB_P6
P7	The percent relative standard deviation (%RSD) or percent difference (%D) exceeds the applicable acceptance criterion, which indicates potential quantitation problems in the analyses and the potential for false negative results.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
P77	The affected analytes are considered estimated because the associated continuing calibration standard was not analyzed within 72 h of the initial analysis. This is for multicomponent analytes.
P7a	The multicomponent analyte standard was not analyzed within 72 h of a multicomponent analyte detection. Quantitation of the multicomponent detection in the sample may not be accurate.
P7b	PESTPCB_P7b
P7c	PESTPCB_P7c
P8	This analyte should be regarded as not detected because it was not confirmed on a second dissimilar column.
P8a	The required confirmation column analysis data is missing. Data may not be acceptable for use.
P9	The holding time is exceeded. The data user should conduct a technical evaluation of the data of interest with respect to the impact of exceeding the holding time. Factors to consider include sample preservation, sample storage practices, use of the data, levels of contamination found in the sample, and the physical, chemical, and biological stability of the target analytes in the sample matrix.
P913	PESTPCB_P913
P9a	The affected analytes should be regarded as estimated because the extraction holding time was exceeded by 2 times the acceptable holding time.
P9b	The results for the affected analytes are rejected because the analytical holding time was exceeded.
PC	PESTPCB_PC
PEQL	P_EQL/MDL The result should be regarded as estimated (J) because the result was less than the EQL but greater than the MDL.
PHOLD	P_HOLD_TIME
PJCST	P_J_CST
PJLAB	PJLAB_PESTPCB
PLIA	P_LIA
PNONE	No reason for historic AROCLOR data.
PNQ	P_NQ
PQCBL	P_QC_BLIND
PS10	P_Surr < 10%
PUJCS	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
PUJLA	P_U_LAB

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
PULAB	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
PV3	PESTPCB_PV3
PV4	PESTPCB_PV4
PWQ1	No MS/MSD data was included in the data package.
PWQ10	Calibration verification %D exceeded acceptance criteria but was less than 60%
PWQ11	Calibration Verification %D exceeded 60%.
PWQ2	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
PWQ3	The spike percent recovery value is greater than or equal to the upper acceptance limit and the result is a detect, which indicates a potential high bias in the sample results.
PWQ4	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
PWQ5	The spike percent recovery value is less than 10% which increases the potential for false negatives being reported. This could be caused by analytical interferences.
PWQ6	Nonspecified quality control failure; see validation report
PWQ7	The sample was improperly preserved.
PWQ8	Calibration % RSD was greater than the acceptance criteria but less than 60%
PWQ9	Calibration % RSD was greater than 60%.
R 6B	RAD_R 6B
R1	The tracer /carrier %R value is < 10%.
R10	RAD_R10
R10a	RAD_R10a
R10b	RAD_R10b
R11	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3x the 1 sigma TPU.
R11a	RAD_R11a
R11b	RAD_R11b
R11c	RAD_R11c
R11d	RAD_R11d

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
R14	RAD_R14
R14a	Insufficient sample volume was received for a matrix-spike analysis.
R14b	The matrix-spike analysis was not performed on a sample associated with this RN
R16	RAD_R16
R16a	Result is greater than the MDC for the following fission and activation products with half-lives less than 365 days: Ce-144, Co-57, Mn-54, Pa-233, Se-75, and Zn-65.
R16b	Result is greater than the MDC for the following radionuclides not reliably measured by gamma spectroscopy: Ac-228, Ba-140, Bi-212, I-129, La-140, Np-237, Pa-231, Pa-234, Pb-210, Pb-211, Ra,-223, Ra-224, Ra-226, and Rn-219.
R16c	Result is greater than the MDC for the following naturally occurring radionuclides that are reliably measured by gamma spectroscopy and that can provide an indication of the quality of the gamma spectroscopy measurement: Bi-211, Bi-214, K-40, Pb-212, Pb-214, Th-227, Th-234, Tl-208, and annihilation radiation.
R16d	Result is greater than the MDC for the following six radionuclides typically used by the analytical labs in their LCSs for instrument calibration and checks on instrument performance: Cd-109, Ce-139, Hg-203, Sn-113, Sr-85, and Y-88.
R19	The validator identified quality deficiencies in the reported data that require qualification.
R1a	The tracer %R value is 10%–30% inclusive and the sample result is greater than the MDA.
R1b	The tracer %R value is 10%–30% inclusive and the sample result is less than the MDA.
R1c	The MDC for the affected analytes are qualified as estimated because the associated tracer recovery was less than 30% but greater than 10% and the result is a nondetect.
R1d	The results for the affected analytes are qualified as estimated and biased high because the associated tracer yield was greater than 105%.
R1e	The tracer/carrier %R value is not reported.
R1x	The tracer %R value is less than 10%.
R1z	The tracer %R value is less than 30% but greater than 10% and the sample result is a detect.
R3	The matrix spike %R value is greater than the upper limit and the sample result is greater than the MDA.
R3TPU	P_UJ_LAB
R3a	The matrix spike %R value is less than the lower limit and the sample result is greater than the MDA.
R3b	The matrix-spike %R value is less than 10% and the result is not detected.
R3c	The matrix spike %R value is less than the lower limit and the sample result is less than the MDA.

### Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
R3d	The results for the affected analytes are qualified as estimated and biased low because the associate matrix spike recovery was less than the LAL but greater than 10%, and the results are detected.
R3e	The results for the affected analytes are qualified as estimated and biased low because the associate matrix spike recovery was less than the LAL but greater than 10%, and the results are nondetect.
R4	The sample result is greater than the MDA but less than 5 times the amount found in the blank.
R4a	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration is less than or equal to 5x the associated sample concentration.
R4b	Blank data is either missing from or not reported in the data record package.
R4z	The method blank information is missing. The data may be acceptable for use.
R5	Analyte is not detected because the amount reported is less than the MDC.
R5a	The MDC and/or TPU documentation is missing. Data may not be acceptable for use.
R5b	This analyte should be regarded as rejected because spectral interferences prevents positive identification of the analytes.
R6	Recovery of the analyte in the LCS is greater than the upper limit and the analyte result is greater than the MDA.
R6a	Recovery of analyte in the LCS is less than the lower limit and the analyte is greater than the MDA in the sample.
R6b	The results for the affected analytes should be regarded as rejected because the LCS %R was less than 10%.
R6c	The results for the affected analytes are qualified as estimated and biased low because the associated LCS was less than the LAL but greater than 10%, and the results are detected.
R6d	The results for the affected analytes are qualified as estimated and biased low because the associated LCS was less than the LAL but greater than 10%, and the results are nondetect.
R6e	The LCS data is missing from the data record package.
R7	The duplicate information is missing. Data may not be acceptable for use.
R7a	The results for the affected analytes are qualified as estimated because the associated duplicate results were prepared separately from the original analysis.
R7b	The duplicate and sample results have a DER (duplicate error ratio) that is greater than 2.0.
R7c	The affected analytes are qualified as rejected because the RER was greater than 4.
R8	RAD_R8
R9	The results for the affected analytes should be regarded as estimated because the holding time was exceeded.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
R96	RAD_R96
R9a	The results for the affected analytes should be regarded as rejected because the holding time was exceeded by 2 times the method published holding times.
R9b	RAD_R9b
RA	R_Accidentally_
RB7	RAD_RB7
RC0TP	R_CST_ZERO_TPU
RC0UN	R_CST_0_UNC
RI14a	RAD_RI14a
RI14b	RAD_RI14b
RI3	RAD_RI3
RI3a	RAD_RI3a
RI4	RAD_RI4
RI5	RAD_RI5
RI6	RAD_RI6
RIA	RAD_RIA
RIB	RAD_RIB
RJCST	R_J_CST
RJLAB	R_J_LAB
RLIA	R_LIA
RNONE	No reason for historical RAD data.
RNQ	R_NQ
RPA	RAD_RPA
RQCBL	RQCBL_RAD
RQCMX	R_Samp_QC_Mixed
RRLAB	R Lab RAD

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
RSQLP	RAD_SQLPLUR9B
RT30	R_Tracer < 30%
RUJCS	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
RUJLA	RUJLA_RAD
RULAB	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
RUP_R	RAD: Units and matrix inconsistent.
RWQ1	Planchets were flamed
RWQ2	Result values are less than 3 times the MDC
RWQ3	Less than the negative MDC
RWQ4	Planchets were not flamed
RWQ5	The tracer %R value is greater than 105% but less than 125%
RWQ6	The tracer %R value is greater than 125%
RWQ7	Nonspecified quality control failure; see validation report
RZUNC	R_ZERO_UNCERT
R_MDA	R_MDA
Rb	RAD_Rb
SEQLM	The result should be regarded as estimated (J) because the result was less than the EQL but greater than the MDL.
SHOLD	SHOLD
SJCST	SJCST
SJLAB	SJLAB
SNQ	SNQ
SPECT	HEXP_SPECTRAL MATCH
SQCBL	SQCBL
SQLPL	RAD_SQLPLUR9B
SRO9	ORGANIC_SRO9



**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
SSU10	SSU10
SUJCS	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
SUJLA	SUJLA
SULAB	SULAB
SV0	The IS retention time has shifted by more than ?30 sec, which could affect compound identification and result in false positives or negatives.
SV1	The IS area count for the quantitating IS is outside the -50% ± 100% window in relation to the previous continuing calibration, which could affect the quantitation accuracy of the associated analytes and the correct quantitation of surrogate %R values.
SV10	The affected analytes are considered suspect because the sample was diluted without any target analytes identified due to matrix interference.
SV11	TICs are not reported but were requested by ER Project. The validator contacted the laboratory that had not provided TICs.
SV12	The LCS documentation is missing. Data may not be acceptable for use.
SV12a	The LCS percent recovery was less than 10%.
SV12b	The LCS percent recovery was less than the LAL but greater than 10% and the result is detected.
SV12c	The LCS percent recovery was less than the LAL but greater than 10% and the result is not detected.
SV12d	The affected analytes should be regarded as estimated and biased high because the LCS percent recovery was greater than the UAL.
SV13c	SVOC_SV13c
SV15	Because the sample was damaged, lost, or of insufficient quantity, the laboratory was unable to analyze it.
SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
SV16a	The results for the affected analytes are rejected because the instrument performance sample (DFTPP) did not pass method acceptance criteria.
SV19	The affected analytes are qualified because the data validator identified quality deficiencies in the reported data.
SV1a	The area count for the quantitating IS is less than 50% of the area count for the previous continuing calibration, greatly increasing the potential for false negative results.
SV1b	The area count for the quantitating IS is greater than 200% of the area count for the previous continuing calibration.
SV2	The quantitating IS area count is less than 10% of the expected value, which indicates increased potential for false negative results and other possible problems with sample quantitation.
SV2a	Required IS information is missing. Data may not be acceptable for use.
SV2c	SVOC_SV2c

### Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
SV3	The %R values for two or more surrogates in either SV fraction is greater than the UAL, which indicates the potential for high bias in the results and the potential for false positive results.
SV3a	Two or more surrogates in either SV fraction are greater than or equal to 10%R but less than the LAL, which indicates the potential for low bias in the results.
SV3b	A surrogate in the related fraction is less than 10%R, and the result is a detect, which indicates the potential for severely low bias in the results.
SV3c	The result is a nondetect and two or more surrogates are greater than or equal to 10%R but less than the LAL, which indicates increased potential for false negative results.
SV3d	The result is a nondetect and a surrogate in the related fraction is less than 10%R, which indicates a greatly increased potential for false negative results.
SV3e	The %R value of one surrogate in a fraction is greater than the UAL and one is less than the LAL but greater than or equal to 10%R, which indicates a greater than normal uncertainty in the results.
SV3f	Required surrogate information is missing. Data may not be acceptable for use.
SV4	The sample result is greater than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the related analyte in the blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
SV4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was greater than 5x (10x for common lab contaminants).
SV4b	Required method blank information is missing. Data may not be acceptable for use.
SV5	The sample result is less than the EQL and less than or equal to 5 times (10 times for common phthalates) the concentration of the analyte in the blank, which indicates the detected result was indistinguishable from contamination in the blank.
SV5a	Method-blank data is missing, or method blank was not analyzed. Data may not be acceptable for use.
SV5v7	SVOC_SV5v7a
SV6	SVOC_SV6
SV6b	SVOC_SV6b
SV7	The affected results were not analyzed with a valid 5 point calibration curve and/or a standard at the reporting limit.
SV7a	The affected analytes were analyzed with a initial calibration curve that exceeded the %RSD criteria and/or a continuing calibration standard that exceeded %D criteria.
SV7b	The affected analytes were analyzed with a RRF of less than 0.05.
SV8	The affected analyte is considered not detected because mass spectrum did not meet specifications.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
SV8a	The mass spectrum documentation is missing. Data may not be acceptable for use.
SV9	The extraction holding time is exceeded. The data user should evaluate the data of interest with respect to the effect of exceeding the holding time. Factors to consider include sample preservation, sample storage practices, use of the data, levels of contamination found in the sample, and the physical, chemical, and biological stability of the target analytes in the sample matrix.
SV9a	The affected analytes are regarded as rejected because the extraction holding time was exceeded by 2 times the method published holding time requirements.
SV9b	The affected analytes are regarded as rejected because the analytical holding time was exceeded.
SVA	SVOC_SVA
SVC	SVOC_SVC
SVD	SVOC_SVD
SVI	SVOC_SVI
SVIA	SVOC_SVIA
SVNON	No reason for historic SVOC data.
SVPM	SVOC_SVPM
SVS	SVOC_SVS
SVV12	SVOC_SVV12a
SVV1a	SVOC_SVV1a
SVV3	SVOC_SVV3
SVV4	SVOC_SVV4
SVV5	SVOC_SVV5
SVV7a	SVOC_SVV7a
SVV9	SVOC_SVV9
SVVS1	SVOC_SVVS1a
SWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
SWQ10	Calibration Verification %D exceeded 60%
SWQ11	The LCS recovery was greater than the acceptance criteria

### Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
SWQ2	The spike percent recovery value is greater than or equal to the upper acceptance limit and the result is a detect, which indicates a potential high bias in the sample results.
SWQ3	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
SWQ4	The spike percent recovery value is less than 10% which increases the potential for false negatives being reported. This could be caused by analytical interferences.
SWQ5	Nonspecified quality control failure; see validation report
SWQ6	The sample was improperly preserved.
SWQ7	Calibration % RSD was greater than the acceptance criteria but less than 60%
SWQ8	Calibration %RSD exceeded 60%
SWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%
UNK	Unknown
U_LAB	The analytical laboratory qualified the analyte as not detected.
V	VOC_V
V+	VOC_V+
V0	The IS retention time has shifted by more than 30 seconds, which could affect compound identification and cause false positives or negatives to be reported.
V1	The IS area count for the quantitating IS is outside the $-50\% \pm 100\%$ window in relation to the previous continuing calibration. This condition could affect the quantitation accuracy of the associated analytes.
V10	The affected analytes are considered suspect because the sample was diluted without any target analytes identified due to matrix interference.
V11	TICs are not reported by the analytical laboratory but were requested by the ER Project. The analytical laboratory was contacted and TICs were not provided.
V12	The LCS documentation is missing. The data may not be acceptable for use.
V126	VOC_V126
V12a	The LCS percent recovery was less than 10%.
V12b	The LCS percent recovery was less than the LAL but greater than 10%. The result is biased low and is detected.
V12c	The LCS percent recovery was less than the LAL but greater than 10%. The result was not detected.
V12d	The LCS percent recovery was greater than the UAL. The result is detected and biased high.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
V14a	Insufficient sample volume was received for a matrix spike and/or a matrix spike duplicate analysis.
V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
V14c	The matrix spike and/or the matrix spike duplicate was analyzed on a sample associated with a different LANL request number but no summary was included.
V15	Because the sample was damaged, lost, or of insufficient quantity, the laboratory was unable to analyze it.
V16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
V16a	The results should be regarded as rejected because the BFB instrument performance sample did not pass method acceptance criteria.
V19	The validator identified quality deficiencies in the reported data that require qualification.
V1a	The area count for the quantitating IS is less than 50% of the area count for the previous continuing calibration, greatly increasing the potential for false negative results.
V1b	This analyte should be regarded as estimated because the IS failed high.
V1c	VOC_V1c
V1s	VOC_V1s
V2	The quantitating IS area is less than 10% of the expected value, which indicates an increased potential for false negative results and possibly other problems with sample quantitation.
V2a	Required IS information is missing. Data may not be acceptable for use.
V3	The surrogate percent recovery is greater than the UAL, which indicates the potential for a high bias in the results and the potential for false positive results.
V3a	The surrogate is less than the LAL but greater than or equal to 10%R, which indicates the potential for a low bias in the results.
V3b	The surrogate is less than 10%R and the result is a detect, which indicates the potential for a severely low bias in the results.
V3c	The surrogate is less than LAL and the result is a nondetect, which indicates the potential for a low bias in the results.
V3d	The surrogate is less than 10%R and the result is a nondetect, which indicates a greatly increased potential for false negative results.
V3e	At least one surrogate is greater than the UAL and one surrogate is less than the LAL, which indicates a greater than normal degree of uncertainty in the result.
V3f	Required surrogate information is missing. Data may not be acceptable for use.
V4	The sample result is less than or equal to 5 times (10 n for acetone, methylene chloride, and 2-butanone) the concentration of the related analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
V4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was greater than 5x (10x for common lab contaminants).
V4b	Required method blank information is missing. Data may not be acceptable for use.
V5	VOC_V5
V5a	Method-blank data is missing, or method blank was not analyzed. Data may not be acceptable for use.
V5c	VOC_V5c
V6b	VOC_V6b
V7	The affected results were not analyzed with a valid 5 point calibration curve and/or a standard at the reporting limit.
V76	VOC_V76
V78	VOC_V78
V7a	The affected analytes were analyzed with an initial calibration curve that exceeded the %RSD criteria and/or a continuing calibration standard that exceeded %D criteria.
V7b	The affected analytes were analyzed with a RRF of less than 0.05.
V8	The affected analyte is considered not detected because mass spectrum did not meet specifications.
V8a	The mass spectrum documentation is missing. Data may not be acceptable for use.
V9	The analytical and/or extraction holding time is exceeded. The data user should evaluate the data of interest with respect to the effects of exceeding the holding time. Factors to consider include sample preservation, sample storage practices, use of the data, levels of contamination found in the sample, and the physical, chemical, and biological stability of the target analytes in the sample matrix.
V9a	The affected analytes are regarded as rejected because the analytical/extraction holding time was exceeded by 2x the method published holding time requirements.
VC4	VOC_VC4
VEQL	The result should be regarded as estimated (J) because the result was less than the EQL, but greater than the MDL.
VI1	VOC_VI1
VI4	VOC_VI4
VI45	VOC_VI45
VIA	VOC_VIA
VIC	VOC_VIC

## Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
VJCST	VJCST
VJLAB	VJLAB
VLA	VOC_VLA
VNONE	No reason for historic VOC data.
VNQ	VNQ
VO	VOC_VO
VP	VOC_VP
VQCBL	VQCBL
VR5	VOC_VR5
VR7b	VOC_VR7b
VS	VOC_SPECTRUM
VSV1	VOC_VSV1
VSV1a	VOC_VSV1a
VSV3b	VOC_VSV3b
VSV3c	VOC_VSV3c
VSV4	VOC_VSV4
VSV5	VOC_VSV5
VSV7	VOC_VSV7
VSV7a	VOC_VSV7a
VU7a	VOC_VU7a
VUCST	VUCST
VUJCS	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier. CST assigned the J qualifier, need hard copy to determine CST's reason.
VUJLA	VUJLA
VULAB	This analyte should be regarded as not detected because the laboratory assigned a U lab qualifier.
VUP_R	VOC: Units and matrix inconsistent.

**Secondary Validation Reason Codes (continued)**

Valid Reason Code	Valid Reason Description
VWQ1	Relative percent difference of the MS/MSD is greater than the acceptance criteria.
VWQ10	Calibration Verification %D exceeded 60%
VWQ11	The LCS recovery was greater than the acceptance criteria
VWQ2	The spike percent recovery value is greater than or equal to the upper acceptance limit but and the result is a detect, which indicates a potential high bias in the sample results.
VWQ3	The spike percent recovery value is greater than 10% and less than the lower acceptance limit, which indicates a potential low bias in the results.
VWQ4	The spike percent recovery value is less than 10% which increases the potential for false negatives being reported. This could be caused by analytical interferences.
VWQ5	Nonspecified quality control failure; see validation report
VWQ6	The sample was improperly preserved.
VWQ7	Calibration % RSD was greater than the acceptance criteria but less than 60%.
VWQ8	Calibration %RSD exceeded 60%.
VWQ9	Calibration Verification %D was greater than the acceptance criteria but less than 60%.



**Table E-1  
Groundwater Organics**

Zone	Location	Date	Field QC Type Code	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA Tap Screening Level (N)	Ratio (Result/Screening Level)
Regional Spring	Spring 3	04/23/08	FB	UF	VOA	Acetone	1.8	1.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	5480	—*
Regional Spring	Spring 3A	04/23/08	FD	UF	VOA	Acetone	1.36	1.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	5480	—
Regional Spring	Spring 3A	04/23/08	—	UF	VOA	Butanone[2-]	1.33	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	7060	—
Regional Spring	Spring 4B	04/24/08	—	UF	VOA	Butanone[2-]	1.77	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	7060	—
Regional Spring	Spring 4AA	04/24/08	—	UF	VOA	Butanone[2-]	4.03	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	7060	—
Regional Spring	Spring 4A	04/24/08	—	UF	VOA	Butanone[2-]	1.68	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	7060	—
Regional Spring	Spring 5	04/30/08	—	UF	VOA	Butanone[2-]	1.56	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	7060	—
Regional Spring	Ancho Spring	04/28/08	—	UF	VOA	Butanone[2-]	2.3	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	7060	—
Regional Spring	Spring 10	04/23/08	—	UF	VOA	Acetone	1.88	1.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	5480	—

\* — = None.

**Table E-2  
Groundwater Perchlorate**

Zone	Location	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional Spring	Spring 3	04/23/08	—*	F	SW-846:6850	0.44	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 3A	04/23/08	—	F	SW-846:6850	0.43	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 3A	04/23/08	FD	F	SW-846:6850	0.426	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 4	04/24/08	—	F	SW-846:6850	0.653	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 4C	04/24/08	—	F	SW-846:6850	0.628	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 4B	04/24/08	—	F	SW-846:6850	0.515	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 4AA	04/24/08	—	F	SW-846:6850	0.56	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 4AA	04/24/08	FD	F	SW-846:6850	0.569	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 4A	04/24/08	—	F	SW-846:6850	0.531	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 5	04/30/08	—	F	SW-846:6850	0.412	0.05	µg/L	1	—	—	—	GELC
Regional Spring	Ancho Spring	04/28/08	—	F	SW-846:6850	0.386	0.05	µg/L	1	—	—	—	GELC
Regional Spring	Spring 9B	04/23/08	—	F	SW-846:6850	0.306	0.05	µg/L	1	—	J	PE12e	GELC
Regional Spring	Spring 10	04/23/08	—	F	SW-846:6850	0.181	0.05	µg/L	1	J	J	PE12e	GELC

\* — = None.

**Table E-3  
Groundwater Tritium**

Zone	Location	Date	Field Prep Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Method Detection Limit	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE DW DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
Regional Spring	Spring 5	04/30/08	UF	<	1.63	2.46	8.23794	—*	pCi/L	Generic:Low Level Tritium	ARSL	U	U	R5	—	—	80000	—	20000	—

\* — = None.

**Table E-4  
Previously Unreported Groundwater Metals**

Zone	Location	Date	Analyte	Field Prep Code	Field QC Type Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Regional Spring	Sacred Spring	09/19/07	Mn	F	—*	191	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	0.96
Regional Spring	Spring 2	09/24/07	As	F	—	10.3	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	1.03	—	—
Regional Spring	Spring 2	09/24/07	As	UF	FD	10.4	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	1.04	—	—

\* — = None.

**Table E-5  
Previously Unreported Groundwater Organics**

Zone	Location	Date	Field QC Type Code	Field Prep Code	Analytical Suite Code	Analyte	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Tap Screening Level (C)	Ratio (Result/Screening Level)	EPA Tap Screening Level (N)	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Regional Spring	Sacred Spring	09/19/07	FTB	UF	VOA	Carbon Disulfide	—*	1.48	1.25	µg/L	1	J	—	—	SW-846:8260B	GELC	—	—	—	—	1040	—	—	—
Regional Spring	Sacred Spring	09/19/07	—	UF	VOA	Toluene	—	0.602	0.25	µg/L	1	J	—	—	SW-846:8260B	GELC	1000	—	—	—	2280	—	750	—
Regional Spring	Spring 2	09/24/07	FTB	UF	VOA	Methylene Chloride	—	2.37	2	µg/L	1	J	—	—	SW-846:8260B	GELC	5	0.47	89.4	0.03	—	—	100	0.02
Regional Spring	Spring 2	09/24/07	—	UF	HEXP	Trinitrotoluene[2,4,6-]	—	0.0937	0.0779	µg/L	2	J	—	—	SW-846:8321A_MOD	GELC	—	—	22.4	—	—	—	—	—
Regional Spring	Spring 4AA	09/24/07	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000164	0.0000164	µg/L	1	J	J	SWQ5	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional Spring	Spring 4AA	09/24/07	—	UF	DIOX/FUR	Pentachlorodibenzofuran[2,3,4,7,8-]	—	0.00000313	0.00000313	µg/L	1	J	J	SWQ5	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional Spring	Spring 4AA	09/24/07	—	UF	DIOX/FUR	Pentachlorodibenzofurans (Totals)	—	0.00000537	0.00000537	µg/L	1	—	J	SWQ5	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional Spring	Spring 4AA	09/24/07	—	UF	DIOX/FUR	Tetrachlorodibenzofuran[2,3,7,8-]	—	0.0000059	0.0000059	µg/L	1	—	NJ, J	SWQ5	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional Spring	Spring 4AA	09/24/07	—	UF	DIOX/FUR	Tetrachlorodibenzofurans (Totals)	—	0.0000105	0.0000105	µg/L	1	—	J	SWQ5	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional Spring	Spring 5B	09/25/07	—	UF	DIOX/FUR	Tetrachlorodibenzofurans (Totals)	—	0.00000144	0.00000144	µg/L	1	—	J	SWQ5	SW-846:8290	ALTC	—	—	—	—	—	—	—	—

\* — = None.

**Table E-6**  
**Previously Unreported Groundwater Perchlorate**

Zone	Location	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional Spring	Sacred Spring	09/19/07	—*	F	SW-846:6850	—	0.0639	0.05	µg/L	1	J	—	—	GELC
Regional Spring	Spring 1	09/24/07	—	F	SW-846:6850	—	0.299	0.05	µg/L	1	—	—	—	GELC
Regional Spring	Spring 2	09/24/07	—	F	SW-846:6850	<	0.05	0.05	µg/L	1	U	—	—	GELC
Regional Spring	Spring 2	09/24/07	FD	F	SW-846:6850	<	0.05	0.05	µg/L	1	U	—	—	GELC

\* — = None.

**Table E-7**  
**Previously Unreported Groundwater Radioisotopes**

Zone	Location	Date	Analyte	Field Prep Code	Result	Uncertainty	Minimum Detectable Activity	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE DW DCG	Ratio (Result/Screening Level)	NMED Radiation Protection	Ratio (Result/Screening Level)
Regional Spring	Spring 1	09/24/07	Am-241	F	0.0888	0.0175	0.0415	pCi/L	GELC	HASL-300:AM-241	—*	J	RWQ2	—	—	1.2	0.07	20	—

\* — = None.

**Table E-8**  
**Previously Unreported Groundwater Tritium**

Zone	Location	Date	Field Prep Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Method Detection Limit	Unit	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional Spring	Sacred Spring	09/19/07	UF	—*	—	0.99	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	La Mesita Spring	09/18/07	UF	—	<	0.10	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 1	09/24/07	UF	—	<	0.19	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 2	09/24/07	UF	FD	<	0.22	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 2	09/24/07	UF	—	—	0.96	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Sandia Spring	09/18/07	UF	FD	<	0.03	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Sandia Spring	09/18/07	UF	—	<	-0.32	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 3	09/24/07	UF	—	—	0.99	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Spring 3A	09/24/07	UF	—	—	0.77	0.29	0.28737	—	pCi/L	Generic:LLEE	—	J	RWQ2
Regional Spring	Spring 3AA	09/24/07	UF	—	<	—	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 4	09/24/07	UF	—	—	7.73	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Spring 4C	09/25/07	UF	—	—	8.11	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Spring 4B	09/25/07	UF	—	—	28.64	0.96	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Spring 4AA	09/24/07	UF	—	—	2.14	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Spring 4A	09/24/07	UF	—	<	0.35	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 5	09/25/07	UF	—	<	0.13	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 5B	09/25/07	UF	—	—	1.56	0.29	0.28737	—	pCi/L	Generic:LLEE	—	—	—
Regional Spring	Ancho Spring	09/25/07	UF	—	<	0.03	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 6	09/25/07	UF	—	<	0.42	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 6A	09/25/07	UF	—	<	0.45	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 6AAA	09/25/07	UF	FD	<	-0.06	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 6AAA	09/25/07	UF	—	<	-0.13	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 8A	09/25/07	UF	—	<	-0.03	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 9	09/25/07	UF	—	<	0.26	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Doe Spring	09/26/07	UF	—	<	0.19	0.29	0.28737	—	pCi/L	Generic:LLEE	—	U	R5
Regional Spring	Spring 9A	9/26/2007	UF	—	<	-0.41509	0.28737	0.28737	—	pCi/L	Generic:LLEE	—	U	R5

\* — = None.



# **Appendix F**

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## *Investigation-Derived Waste Management*





### **F-1.0 INTRODUCTION**

This appendix describes the storage and disposal of investigation-derived waste (IDW) generated during this periodic groundwater monitoring event conducted in the White Rock Watershed under the Los Alamos National Laboratory (the Laboratory) Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2007, 096665). Investigation-derived waste is waste generated as a result of field investigation activities and may include, but is not limited to, contact waste, consisting of contaminated personal protective equipment (PPE), sampling supplies, plastic, and paper; and all other wastes potentially contacting contaminants. The waste generated during implementation of the IFGMP is managed to protect human health and the environment, comply with applicable regulatory requirements, and adhere to Laboratory waste minimization goals. The wastes are managed in accordance with the White Rock Watershed Groundwater Monitoring waste characterization strategy form (WCSF), submitted in the February 2008 periodic monitoring report (PMR) (LANL 2008, 102677). The WCSF provides information on IDW characterization, management, containerization, analytical methods and estimated waste volumes. The Laboratory's 2007 "Los Alamos National Laboratory Hazardous Waste Minimization Report" (LANL 2006, 096015) is implemented during groundwater monitoring to minimize waste generation. The plan is updated annually as a requirement of Module VIII of the Laboratory's Hazardous Waste Facility Permit.

### **F-2.0 WASTE DETERMINATION**

Characterization of IDW is completed through review of existing data and/or documentation, and sampling of the media being investigated (i.e., groundwater). The groundwater analyses are augmented, as needed, by direct sampling of containerized waste to fulfill a treatment or disposal facility's waste acceptance criteria (WAC). Under the 2007 IFGMP (LANL 2007, 096665), the wastes from each sampling event were initially managed as hazardous wastes until the analytical data for that event were available. However, multiple analyses showed that the groundwater (and, therefore, the wastes) for a number of the sample locations were not hazardous. The 2007 IFGMP (LANL 2007, 096665) recognized this and allowed the number of sampling events used to make Resource Conservation and Recovery Act (RCRA) waste determinations to be based on acceptable knowledge (AK) of groundwater conditions within a watershed in the area of a sample location. Acceptable knowledge includes reviews of existing analytical data and may also include source term/process identification performed to identify whether the water contains hazardous waste in accordance with 40 Code of Federal Regulations 262.11 (incorporated by 20.4.1.300 New Mexico Administrative Code).

### **F-3.0 WASTE MANAGEMENT**

All IDW generated during this periodic monitoring event is being managed in accordance with applicable Environmental Programs (EP) Directorate–Waste and Environmental Services (WES) and Environmental Protection Water Quality and Resource Conservation Recovery Group (ENV-RCRA) standard operating procedures (SOPs). These SOPs incorporate the requirements of all applicable U.S. Environmental Protection Agency (EPA) and New Mexico Environment Department (NMED) regulations, U.S. Department of Energy (DOE) orders, and Laboratory implementation requirements.

The following SOPs, available at <http://www.lanl.gov/environment/all/qa/adeq.shtml>, are applicable to the characterization and management of IDW:

- ENV-RCRA-SOP-010.0, "Land Application of Groundwater"
- EP-ERSS-SOP-5022, "Characterization and Management of Environmental Restoration Project Waste," which replaces SOP-1.06 and 1.10

The IDW streams associated with groundwater monitoring are identified in Table F-1 and are briefly described below. Table F-1 summarizes the waste types, volumes, characterization methods, methods of on-site management, and disposition path for each of the waste streams. Only the wastes generated during this particular monitoring event are detailed in this section and in Table F-1. The number of samples used to make the waste determination varies by well, depending on the classifications described in section 2.0. If the waste has not yet been characterized or shipped to the destination where it will be treated and/or disposed of, "Pending" appears in the Disposition Status column of Table F-1.

**Contact waste:** The contact waste stream consists of wastes that "contacted" potentially contaminated environmental media (i.e., spring water) and cannot be decontaminated. It consists primarily of contaminated PPE (primarily gloves); disposable sampling supplies; and dry decontamination wastes, such as paper items. Contact waste is stored in containers (e.g., 55-gal. drums) at monitoring sites or at a consolidated accumulation area. U.S. Department of Transportation-approved containers are used, as appropriate, for transport. Characterization of this waste stream is being performed through AK of the waste materials, the methods of generation, and the levels of contamination observed in the environmental media (e.g., the results of analysis of associated water samples), and, if necessary, direct sampling of the containerized waste. The containers of contact waste are managed in accordance with their classification as nonhazardous/nonradioactive, hazardous, mixed, or radioactive waste, as follows.

- Contact waste that has been in contact with nonhazardous, nonradioactive groundwater is disposed of at a New Mexico solid waste landfill using Waste Profile Form (WPF) 39268, a copy of which is included as Attachment F-1.
- If the contact wastes are hazardous or mixed wastes, they are placed in registered hazardous waste accumulation areas that may be at the location of the wells or may be at other locations at the Laboratory. Unless a contained-in is granted by NMED (decision point D5 of the Notice of Intent [NOI] decision tree) or a due diligence investigation of the sources of the contamination determines that the waste does not contain hazardous waste, the waste will be managed appropriately for its regulatory classification. If it is determined to be hazardous or mixed waste, it will be treated or disposed of at a permitted off-site treatment, storage, and disposal facility.
- If the contact wastes are nonhazardous but contain elevated radioactivity, the contact wastes may be designated as low-level radioactive waste and disposed of at Technical Area 54 (TA-54) Area G. Radioactive contact waste must be placed in registered radioactive accumulation areas that may be at the location of the wells or may be at other locations at the Laboratory. If the Laboratory's Green Is Clean program verifies that the contact waste is nonradioactive, it is disposed of at a New Mexico solid waste landfill.

#### F-4.0 REFERENCES

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

*Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau; DOE–Los Alamos Site Office; EPA, Region 6; and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.*

LANL (Los Alamos National Laboratory), November 2006. "Los Alamos National Laboratory Hazardous Waste Minimization Report," Los Alamos National Laboratory document LA-UR-06-8175, Los Alamos, New Mexico. (LANL 2006, 096015)

LANL (Los Alamos National Laboratory), May 2007. "2007 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-07-3271, Los Alamos, New Mexico. (LANL 2007, 096665)

LANL (Los Alamos National Laboratory), February 2008. "Periodic Monitoring Report for White Rock Watershed, September 17–30, 2007," Los Alamos National Laboratory document LA-UR-08-0453, Los Alamos, New Mexico. (LANL 2008, 102677)



**Table F-1  
Summary of IDW Generation and Management**

Waste Stream	Waste Type	Volume	Characterization Method	On-Site Management	Disposition Status
Spent PPE and disposable sampling supplies	Nonhazardous, Nonradioactive	0.03 yd <sup>3</sup> (6.5 gal.)	AK	Zip-lock baggies accumulated in containers.	Disposed at New Mexico solid waste landfill. WPF #39268.*

Notes: Volumes recorded represent volumes generated during this particular sampling event. The associated disposal documents record volumes for multiple sampling events.

\* The current WPF is attached.



# **Attachment F-1**

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*Waste Profile Form*





# LOS ALAMOS NATIONAL LABORATORY WASTE PROFILE SYSTEM

**WPF #: 39268**

08-May-2008 09:11 AM

(Version: 2)

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Generator :	ALEXANDER, MICHAEL R	MS :	K497	PH :	6654752	Z#:	102267
WMC :	VILLAREAL, CHARLES	MS :	J595	PH :	5056656148	Z#:	085623
Contact :							
RCRA Rev :	ELICIO ANDY U	MS :	J496	PH :	5056676956	Z#:	118692
Status :	ACTIVE	Activation Date :	05/11/2006	Expiration Date:	05/07/2009		
Group :	ENV-WQH	TA :	59	Bldg :	000001	Room :	B1E

**You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.**

Waste Accumu : **None of the Above** Site ID#  
 Method of Char : Acceptable Knowledge Documentation Number: WATER QUALITY DATA BASE

Waste Type : **Process Waste/Spent Chemical/Other**  
 Waste Classes: RCA Waste - **Not RCA Waste**  
 RAD Waste - **Non-rad**

Waste Category: **Inorganic**  
**Organic**

Waste Sources : **Sampling - Routine Monitoring**

Waste Matrix : **Solid**

Matrix Type : **Heterogeneous**

Process Desc :  
 WATER QUALITY OPERATIONS.

Waste Desc : DEBRIS INCLUDING PPE, SAMPLING SUPPLIES, EQUIPMENT, BAILERS,  
 WIRE, PAPER TOWELS, GLASS AND PLASTIC BOTTLES, ETC.

Ignitability : **Not ignitable**

Corrosivity : **Non-aqueous**

Reactivity : **Non-reactive**

Boiling Point : **Not applicable**

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	PPE, SAMPLING SUPPLIES, EQUIPMENT, BAILERS, WIRE, PAPER TOWELS, GLASS AND PLASTIC BOTTLES, ETC.	90	100	%

LOS ALAMOS NATIONAL LABORATORY  
WASTE PROFILE SYSTEM

WPF #: 39268

08-May-2008 09:11 AM

(Version: 2)

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Additional Information: DEBRIS IS GENERATED DURING WATER QUALITY OPERATIONS INCLUDING FOR EXAMPLE, SAMPLING AND WATER LEVEL MEASUREMENT ACTIVITIES AT WELLS AND SITES THAT ARE NOI APPROVED FOR LAND APPLICATION OR WHERE PURGE WATERS MEET SWWS WAC. BASED ON THE REVIEW OF ASSOCIATED ANALYTICAL RESULTS FROM CONTACTED WATER, SEDIMENT, ETC. THE DEBRIS WILL BE MANAGED AS MUNICIPAL SOLID WASTE. \*REQUEST MUNICIPAL REFUSE APPROVAL. \* MAY REVIEW CURRENT WATER DATA AT TIME OF ANNUAL WPF RENEWAL.

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RAD**

RCRA Category : **NON HAZARDOUS**

Secondary Info : **MUNICIPAL REFUSE**

Waste Classification : **SOLID WASTE**

Waste Acceptances : **Municipal Refuse Acceptance**

EPA Hazardous Waste Code : N/A

LOS ALAMOS NATIONAL LABORATORY  
WASTE PROFILE SYSTEM

WPF #: 39268

08-May-2008 09:11 AM

(Version: 2)

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**GWCP Information**

**Section 1 - Waste Prevention/Minimization (answer all questions)**

Can hazard segregation, elimination, or material substitution be used?

Yes\*  No

Can any of the materials in the waste stream be recycled or reused

Yes\*  No

Has waste minimization been incorporated into procedures or other process controls?

Yes  No

Can this waste be generated outside a RCA?

Yes\*  No  N/A

\*Provide Comment

**Section 6 - Work Control Documentation (answer all questions)**

Do the procedures for this process cover how to manage this waste?

Yes  No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes  No (Provide comments)

**Section 7 - Package and Storage Control**

Describe how the waste will be packaged in according to the applicable WAC:

NA-MUNICIPAL REFUSE.

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
- Limited use locks with log-in for waste
- Locked cabinet or building
- Other (describe)

**Section 8 - Waste Certification Statements (check only one)**

Waste appears to meet WAC chapter for:

MUNICIPAL REFUSE.

Waste needs exception/exemption for treatment, storage, or disposal at:

Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): 4



## **Appendix G**

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*Analytical Reports and Previously Unreported Data  
(on CD included with this document)*



**CD Table of Contents**

Request	Suite	Sample	Date	Location
08-1046	HEXP	CAWR-08-12093	4/23/2008	Spring 3
08-1046	HEXP	CAWR-08-12098	4/23/2008	Spring 3A
08-1046	HEXP	CAWR-08-12130	4/23/2008	Spring 3A
08-1047	HEXP	CAWR-08-12093	4/23/2008	Spring 3
08-1047	HEXP	CAWR-08-12098	4/23/2008	Spring 3A
08-1047	HEXP	CAWR-08-12130	4/23/2008	Spring 3A
08-1047	HEXP	CAWR-08-12134	4/23/2008	Spring 3
08-1047	HEXP	CAWR-08-12135	4/23/2008	Spring 3
08-1047	SVOA	CAWR-08-12098	4/23/2008	Spring 3A
08-1047	SVOA	CAWR-08-12130	4/23/2008	Spring 3A
08-1047	SVOA	CAWR-08-12134	4/23/2008	Spring 3
08-1047	SVOA	CAWR-08-12135	4/23/2008	Spring 3
08-1047	VOA	CAWR-08-12093	4/23/2008	Spring 3
08-1047	VOA	CAWR-08-12094	4/23/2008	Spring 3
08-1047	VOA	CAWR-08-12097	4/23/2008	Spring 3A
08-1047	VOA	CAWR-08-12098	4/23/2008	Spring 3A
08-1047	VOA	CAWR-08-12130	4/23/2008	Spring 3A
08-1047	VOA	CAWR-08-12134	4/23/2008	Spring 3
08-1047	VOA	CAWR-08-12135	4/23/2008	Spring 3
08-1048	GENINORG	CAWR-08-12093	4/23/2008	Spring 3
08-1048	GENINORG	CAWR-08-12095	4/23/2008	Spring 3
08-1048	GENINORG	CAWR-08-12096	4/23/2008	Spring 3A
08-1048	GENINORG	CAWR-08-12098	4/23/2008	Spring 3A
08-1048	GENINORG	CAWR-08-12129	4/23/2008	Spring 3A
08-1048	GENINORG	CAWR-08-12130	4/23/2008	Spring 3A
08-1048	GENINORG	CAWR-08-12134	4/23/2008	Spring 3
08-1048	GENINORG	CAWR-08-12135	4/23/2008	Spring 3
08-1048	METALS	CAWR-08-12093	4/23/2008	Spring 3
08-1048	METALS	CAWR-08-12095	4/23/2008	Spring 3
08-1048	METALS	CAWR-08-12096	4/23/2008	Spring 3A
08-1048	METALS	CAWR-08-12098	4/23/2008	Spring 3A
08-1048	METALS	CAWR-08-12129	4/23/2008	Spring 3A
08-1048	METALS	CAWR-08-12130	4/23/2008	Spring 3A
08-1048	METALS	CAWR-08-12134	4/23/2008	Spring 3
08-1048	METALS	CAWR-08-12135	4/23/2008	Spring 3
08-1050	HEXP	CAWR-08-12126	4/23/2008	Spring 10
08-1051	GENINORG	CAWR-08-12126	4/23/2008	Spring 10
08-1051	GENINORG	CAWR-08-12127	4/23/2008	Spring 10
08-1051	HEXP	CAWR-08-12126	4/23/2008	Spring 10

Request	Suite	Sample	Date	Location
08-1051	METALS	CAWR-08-12126	4/23/2008	Spring 10
08-1051	METALS	CAWR-08-12127	4/23/2008	Spring 10
08-1051	PEST/PCB	CAWR-08-12126	4/23/2008	Spring 10
08-1051	RAD	CAWR-08-12126	4/23/2008	Spring 10
08-1051	RAD	CAWR-08-12127	4/23/2008	Spring 10
08-1051	SVOA	CAWR-08-12126	4/23/2008	Spring 10
08-1051	VOA	CAWR-08-12126	4/23/2008	Spring 10
08-1051	VOA	CAWR-08-12128	4/23/2008	Spring 10
08-1053	HEXP	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	GENINORG	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	GENINORG	CAWR-08-12125	4/23/2008	Spring 9B
08-1054	HEXP	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	METALS	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	METALS	CAWR-08-12125	4/23/2008	Spring 9B
08-1054	PEST/PCB	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	RAD	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	RAD	CAWR-08-12125	4/23/2008	Spring 9B
08-1054	SVOA	CAWR-08-12124	4/23/2008	Spring 9B
08-1054	VOA	CAWR-08-12123	4/23/2008	Spring 9B
08-1054	VOA	CAWR-08-12124	4/23/2008	Spring 9B
08-1059	GENINORG	CAWR-08-12108	4/24/2008	Spring 4AA
08-1059	GENINORG	CAWR-08-12109	4/24/2008	Spring 4AA
08-1059	GENINORG	CAWR-08-12131	4/24/2008	Spring 4AA
08-1059	GENINORG	CAWR-08-12132	4/24/2008	Spring 4AA
08-1059	HEXP	CAWR-08-12109	4/24/2008	Spring 4AA
08-1059	HEXP	CAWR-08-12131	4/24/2008	Spring 4AA
08-1059	METALS	CAWR-08-12108	4/24/2008	Spring 4AA
08-1059	METALS	CAWR-08-12109	4/24/2008	Spring 4AA
08-1059	METALS	CAWR-08-12131	4/24/2008	Spring 4AA
08-1059	METALS	CAWR-08-12132	4/24/2008	Spring 4AA
08-1059	SVOA	CAWR-08-12109	4/24/2008	Spring 4AA
08-1059	SVOA	CAWR-08-12131	4/24/2008	Spring 4AA
08-1059	VOA	CAWR-08-12109	4/24/2008	Spring 4AA
08-1059	VOA	CAWR-08-12110	4/24/2008	Spring 4AA
08-1059	VOA	CAWR-08-12131	4/24/2008	Spring 4AA
08-1060	HEXP	CAWR-08-12109	4/24/2008	Spring 4AA
08-1060	HEXP	CAWR-08-12131	4/24/2008	Spring 4AA
08-1061	GENINORG	CAWR-08-12111	4/24/2008	Spring 4A
08-1061	GENINORG	CAWR-08-12113	4/24/2008	Spring 4A
08-1061	GENINORG	CAWR-08-12133	4/24/2008	Spring 4A
08-1061	GENINORG	CAWR-08-12136	4/24/2008	Spring 4A



Request	Suite	Sample	Date	Location
08-1061	HEXP	CAWR-08-12111	4/24/2008	Spring 4A
08-1061	HEXP	CAWR-08-12133	4/24/2008	Spring 4A
08-1061	HEXP	CAWR-08-12136	4/24/2008	Spring 4A
08-1061	METALS	CAWR-08-12111	4/24/2008	Spring 4A
08-1061	METALS	CAWR-08-12113	4/24/2008	Spring 4A
08-1061	METALS	CAWR-08-12133	4/24/2008	Spring 4A
08-1061	METALS	CAWR-08-12136	4/24/2008	Spring 4A
08-1061	SVOA	CAWR-08-12111	4/24/2008	Spring 4A
08-1061	SVOA	CAWR-08-12133	4/24/2008	Spring 4A
08-1061	SVOA	CAWR-08-12136	4/24/2008	Spring 4A
08-1061	VOA	CAWR-08-12111	4/24/2008	Spring 4A
08-1061	VOA	CAWR-08-12112	4/24/2008	Spring 4A
08-1061	VOA	CAWR-08-12133	4/24/2008	Spring 4A
08-1061	VOA	CAWR-08-12136	4/24/2008	Spring 4A
08-1062	HEXP	CAWR-08-12111	4/24/2008	Spring 4A
08-1063	HEXP	CAWR-08-12099	4/24/2008	Spring 4
08-1063	HEXP	CAWR-08-12102	4/24/2008	Spring 4B
08-1063	HEXP	CAWR-08-12106	4/24/2008	Spring 4C
08-1064	HEXP	CAWR-08-12099	4/24/2008	Spring 4
08-1064	HEXP	CAWR-08-12102	4/24/2008	Spring 4B
08-1064	HEXP	CAWR-08-12106	4/24/2008	Spring 4C
08-1064	SVOA	CAWR-08-12099	4/24/2008	Spring 4
08-1064	SVOA	CAWR-08-12102	4/24/2008	Spring 4B
08-1064	SVOA	CAWR-08-12106	4/24/2008	Spring 4C
08-1064	VOA	CAWR-08-12099	4/24/2008	Spring 4
08-1064	VOA	CAWR-08-12100	4/24/2008	Spring 4
08-1064	VOA	CAWR-08-12102	4/24/2008	Spring 4B
08-1064	VOA	CAWR-08-12103	4/24/2008	Spring 4B
08-1064	VOA	CAWR-08-12106	4/24/2008	Spring 4C
08-1064	VOA	CAWR-08-12107	4/24/2008	Spring 4C
08-1065	GENINORG	CAWR-08-12099	4/24/2008	Spring 4
08-1065	GENINORG	CAWR-08-12101	4/24/2008	Spring 4
08-1065	GENINORG	CAWR-08-12102	4/24/2008	Spring 4B
08-1065	GENINORG	CAWR-08-12104	4/24/2008	Spring 4B
08-1065	GENINORG	CAWR-08-12105	4/24/2008	Spring 4C
08-1065	GENINORG	CAWR-08-12106	4/24/2008	Spring 4C
08-1065	METALS	CAWR-08-12099	4/24/2008	Spring 4
08-1065	METALS	CAWR-08-12101	4/24/2008	Spring 4
08-1065	METALS	CAWR-08-12102	4/24/2008	Spring 4B
08-1065	METALS	CAWR-08-12104	4/24/2008	Spring 4B
08-1065	METALS	CAWR-08-12105	4/24/2008	Spring 4C

Request	Suite	Sample	Date	Location
08-1065	METALS	CAWR-08-12106	4/24/2008	Spring 4C
08-1070	HEXP	CAWR-08-12119	4/28/2008	Ancho Spring
08-1071	GENINORG	CAWR-08-12117	4/28/2008	Ancho Spring
08-1071	GENINORG	CAWR-08-12119	4/28/2008	Ancho Spring
08-1071	HEXP	CAWR-08-12119	4/28/2008	Ancho Spring
08-1071	METALS	CAWR-08-12117	4/28/2008	Ancho Spring
08-1071	METALS	CAWR-08-12119	4/28/2008	Ancho Spring
08-1071	SVOA	CAWR-08-12119	4/28/2008	Ancho Spring
08-1071	VOA	CAWR-08-12118	4/28/2008	Ancho Spring
08-1071	VOA	CAWR-08-12119	4/28/2008	Ancho Spring
08-1081	HEXP	CAWR-08-12092	4/29/2008	Spring 2
08-1086	HEXP	CAWR-08-12114	4/30/2008	Spring 5
08-1087	GENINORG	CAWR-08-12114	4/30/2008	Spring 5
08-1087	GENINORG	CAWR-08-12116	4/30/2008	Spring 5
08-1087	HEXP	CAWR-08-12114	4/30/2008	Spring 5
08-1087	METALS	CAWR-08-12114	4/30/2008	Spring 5
08-1087	METALS	CAWR-08-12116	4/30/2008	Spring 5
08-1087	SVOA	CAWR-08-12114	4/30/2008	Spring 5
08-1087	VOA	CAWR-08-12114	4/30/2008	Spring 5
08-1087	VOA	CAWR-08-12115	4/30/2008	Spring 5
08-1116	RAD	CAWR-08-12114	4/30/2008	Spring 5

GENINORG = General inorganics.

HEXP = High explosives.

PEST/PCB = Pesticides/polychlorinated biphenyls.

RAD = Radionuclides.

SVOA = Semivolatile organic analysis.

VOA = Volatile organic analysis.