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Periodic Monitoring Report for White Rock Watershed, April 30–May 7, 2007

Prepared by 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.

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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 in the White Rock Watershed. The PME for White Rock Watershed was conducted pursuant to the "Interim Facility-Wide Groundwater Monitoring Plan" prepared under the March 1, 2005, Compliance Order on Consent.

The PME documented in this report occurred from April 30 to May 7, 2007. Ten springs were sampled as part of this PME. The waters from these springs are representative of the chemistry of the regional aquifer and serve as the groundwater monitoring locations for this watershed. No groundwater monitoring wells are presently installed in the White Rock Watershed.

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 inorganic chemicals, perchlorate, stable isotopes, and field parameters (alkalinity, dissolved oxygen, iron, pH, specific conductance, temperature, and turbidity).

Overall, one groundwater sample collected during this PME from White Rock Canyon exceeded a regulatory standard or screening level. Arsenic was detected at 11.6 µg/L at Spring 2 in an unfiltered groundwater sample above the U.S. Environmental Protection Agency maximum contaminant level for drinking water of 10 µg/L.

CONTENTS

Figures

Tables

Appendixes

ACRONYMS AND ABBREVIATIONS

AOC	area of concern
BCG	biota concentration guideline (DOE)
bgs	below ground surface
C	cancer (risk type)
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
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
OU	operable unit
PCB	polychlorinated biphenyl
PME	periodic monitoring event
PMR	periodic monitoring report
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA facility investigation
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 2006, 094043), prepared under the March 1, 2005, Compliance Order on Consent (Consent Order). The periodic monitoring event (PME) occurred from April 30 to May 7, 2007. This event included sampling at 10 springs.

This report presents the following information:

- General background information on the watershed
- The watershed conceptual model
- Field-measurement monitoring results
- Water-quality monitoring results
- Screening analysis results (which compare the PME results with regulatory standards and results from previous reports)
- Conclusions drawn based on the data and the screening analysis

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

1.1 Background

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

The Rio Grande flows from northeast to southwest adjacent to the Laboratory and forms 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. Sixty percent of the springs have had over 25 sample collection rounds from 1980 to 2005. 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 (TA) 33 in the southern portion of the canyon that borders the Rio Grande. The Resource Conservation and Recovery Act facility investigation work plan for Operable Unit (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 as provided in the IFGMP 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 2006 IFGMP (LANL 2006, 094043).

Table 2.0-1 provides the location name, easting and northing, hydrogeologic zone, sample collection date, and instantaneous streamflow 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 this PME are documented in the 2006 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

No deviations from the planned scope for this PME occurred.

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 2006 IFGMP.

4.2 Analytical Data

Appendix D presents the analytical data from this PME and from the last three sampling events, which occurred immediately before the April 2007 sampling event. The regulatory standards to which the results are compared are shown 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 this 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 [QC] acceptance criteria) during independent validation are considered "not detected," but are still reported. Analytical laboratory 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 3σ) 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, colbalt-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) are reported.
- Nonradionuclides
    - All results, excluding nondetects, are reported. Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, and different analytical methods are also reported.

The standards applied to all media are listed in Table 4.2-1. Table 4.2-1 indicates the type of standard and the agency that promulgated the standard.

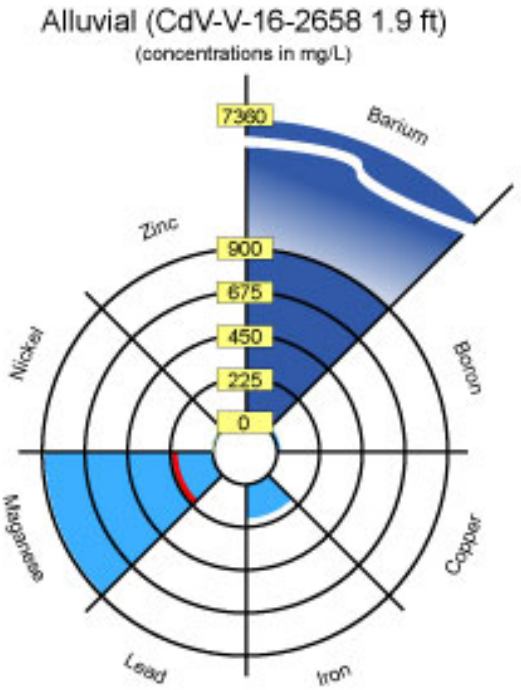
Data for PMRs are evaluated using the following screening process.

- 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 New Mexico Water Quality Control Commission (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 U.S. Environmental Protection Agency (EPA) Region 6 tap water standards for 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 Region 6 tables). Therefore, the Region 6 values were multiplied by 10 to obtain the 10^{-5} excess cancer risk level.

- The analytical results for radioactivity are compared with the Derived Concentration Guides (DCGs) for groundwater.

Tables E-1 through E-4 (Appendix E) show all values for perchlorate, radioactivity, and organic compounds, and all values greater than half the lowest applicable standard for metals and general inorganic compounds.

Analytical results are presented graphically in Figure 4.2-1. Figure 4.2-1 contains diagrams displaying a series of select analytes around the circumference and showing the concentration by the length of the radius. An example of a diagram displaying metal concentrations is shown below.



Metal concentrations

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 that are not shown on the diagrams were either not detected or were radionuclides. The solid red lines, when shown, depict applicable regulatory standards or screening levels. A break in the diagram's scale may be shown for certain analytes whose concentrations are considerably greater than other measurements displayed in the figure. Note that some standards or screening levels may exceed the highest concentration displayed and may not appear on the diagram. Standards and screening-level values are found in Tables E-1 through E-4 in Appendix E.

A summary of the results comparing the groundwater analytical data with regulatory standards is shown in Tables E-1 through E-4 (Appendix E). Graphical representations of select groundwater analytical results (section 4.2) are shown in Figure 4.2-1.

Table 4.2-2 gives the number of groundwater analytical results (by hydrogeologic zone for a specific analytical suite) that are above a standard or screening level. Multiple detections of a particular constituent at a location are counted as one result. For example, if aluminum is detected above a standard or screening level in both a primary sample and a field duplicate, the detection is counted as one result.

4.2.1 Surface Water (Base Flow)

No surface-water locations were sampled for this monitoring event.

4.2.2 Groundwater

Groundwater perchlorate concentrations at all springs were below 0.70 µg/L. The Consent Order screening level is 4 µg/L. The perchlorate concentrations were similar to previous values measured by the liquid chromatography/mass spectrometry method. No general inorganic compounds were found at concentrations above standards or screening levels.

In White Rock Canyon Spring 4, the filtered (5.5 µg/L) and unfiltered (6.9 µg/L) arsenic results were for the first time above one-half of the EPA maximum contaminant level (MCL) for drinking water of 10 µg/L; however, the filtered result was only 5.5% of the NMWQCC groundwater standard of 100 µg/L. Arsenic has been analyzed in this spring since 1986. Previous values range from 1.7 to 4.0 µg/L. Many of the previous results had detection limits that were higher than the current method detection limit (MDL) of 1.5 µg/L. The filtered and unfiltered arsenic results for Spring 2 were 9.7 µg/L and 11.6 µg/L, respectively, and are similar to previous results. The EPA MCL for arsenic in drinking water is 10 µg/L.

For the first time, butanone[2-] was detected in White Rock Spring 3 (3.29 µg/L), Spring 4C (7.95 µg/L), and Spring 5 (6.08 µg/L). The noncancer risk EPA tap screening level for butanone[2-] is 7065 µg/L. Butanone[2-] was also detected at Spring 2 at 2.32 µg/L but was not detected in field trip blanks.

Except for low-detection-limit tritium, no other radioactivity analytes were detected (or for gross alpha, gross beta, and uranium, found at levels above screening thresholds). The tritium results are consistent with previous measurements at the locations. Spring 4B had the highest activity at 31 pCi/L, which was similar to a September 2006 result.

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 and contains the waste management records for waste streams generated during the sampling events.

6.0 SUMMARY AND INTERPRETATIONS

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 during this PME and their concentrations are consistent between sampling events and with data from previous sampling events.

Overall, one unfiltered groundwater sample, which was collected from Spring 2 during this PME, exceeded the regulatory standard for arsenic.

6.3 Data Gaps

No field parameter gaps were encountered during this PME.

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.

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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), July 2006. "Interim Facility-Wide Groundwater Monitoring Plan, Revision 1.1," Los Alamos National Laboratory document LA-UR-06-4975, Los Alamos, New Mexico. (LANL 2006, 094043)

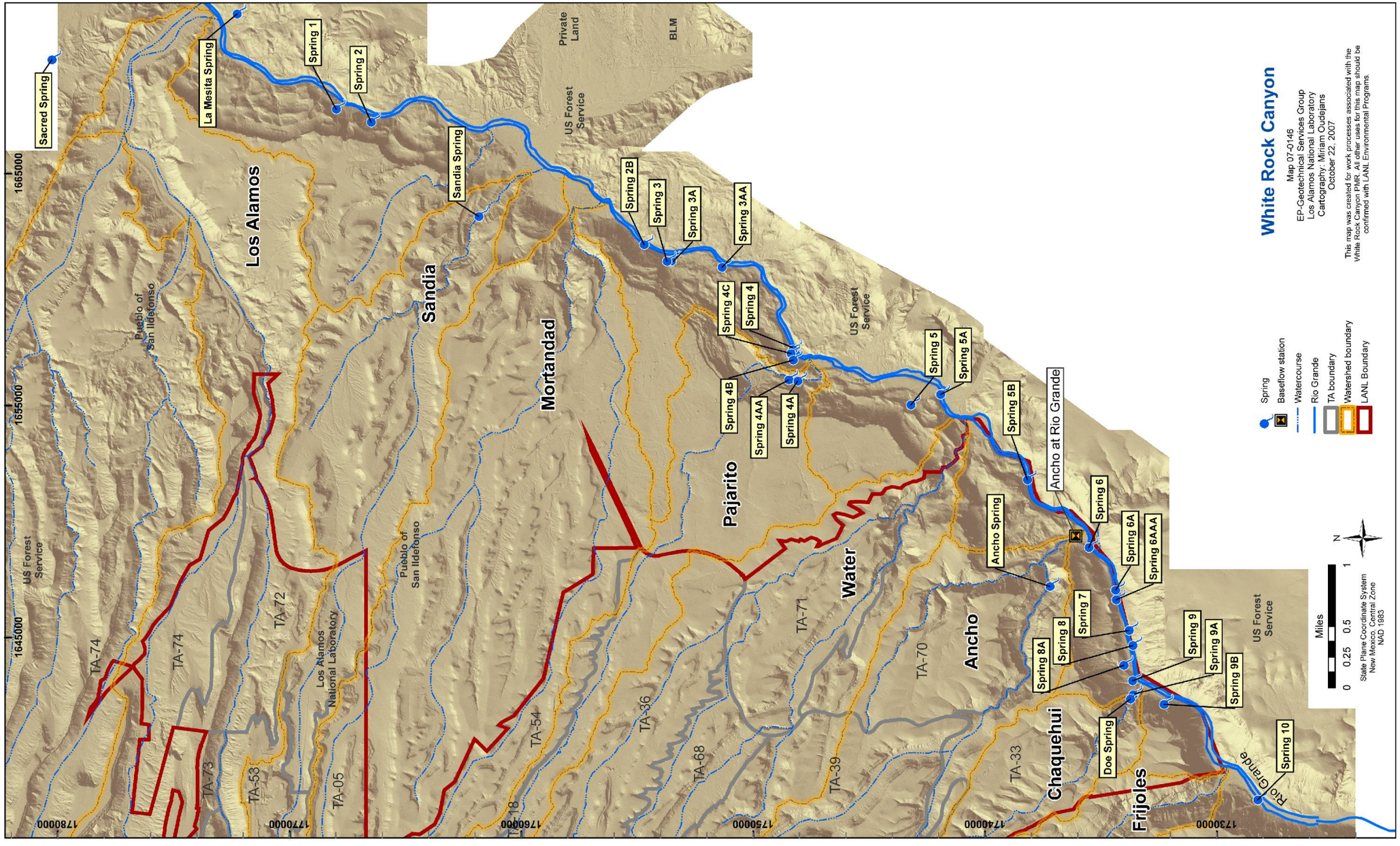

Figure 2.0-1 Watershed map with monitored locations

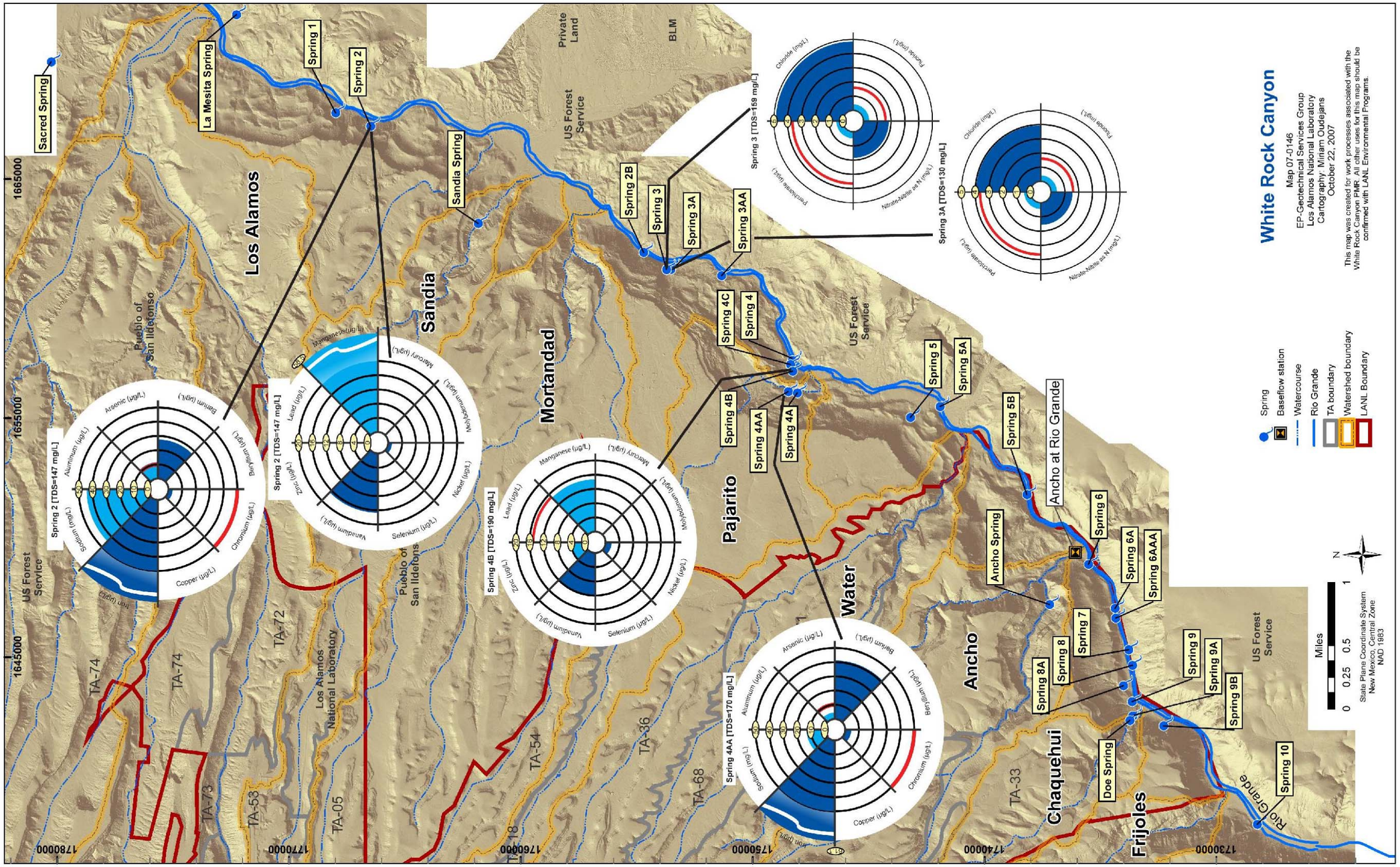

Figure 4.2-1 Analytical results

Table 2.0-1
Monitoring Locations and General Information

Location	Sample Collection Date	Instantaneous Streamflow (gal./min[a])
Base Flow		
Ancho Spring	2-May-07	0.125
Doe Spring	Only sampled annually—already sampled	n/a[b]
Spring 2	7-May-07	0.5
Spring 3	30-Apr-07	1-2
Spring 3A	30-Apr-07	7.5
Spring 3AA	Only sampled annually—already sampled	n/a
Spring 4	3-May-07	~12-15
Spring 4A	2-May-07	~2-3
Spring 4AA	2-May-07	5
Spring 4B	1-May-07	0.5
Spring 4C	1-May-07	5
Spring 5	1-May-07	10
Spring 6	Sampled annually—already sampled	n/a
Spring 6A	Sampled annually—already sampled	n/a
Spring 7	Sampled annually—already sampled	n/a
Spring 8A	Sampled annually—already sampled	n/a
Spring 9	Sampled annually—already sampled	n/a
Spring 9A	Sampled annually—already sampled	n/a
Spring 4AA	Sampled annually—already sampled	n/a
Spring 4B	Sampled annually—already sampled	n/a
Spring 4C	Sampled annually—already sampled	n/a
Spring 6AAA	Sampled annually—already sampled	n/a

[a] gal/min = Gallon(s) per minute.

[b] n/a = Not applicable.

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	n/a[a]	x[b]
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

[a] n/a = Not applicable.

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

Table 4.2-2
Number of Results above Standards or Screening Levels for Groundwater and Surface Water

Sample Origin	Metals	General Inorganic	Organic	Radioactivity
Surface Water	—[*]	—	—	—
Alluvial Groundwater	—	—	—	—
Intermediate Groundwater	—	—	—	—
Regional Groundwater	1	0	0	0

Note: Multiple detections of a particular constituent at a location are counted as one result.

[*] — = No data because not applicable.

Appendix A

White Rock Watershed Conceptual Model

This appendix contains the conceptual model as described in Table A-3 of the 2006 "Interim Facility-Wide Groundwater Monitoring Plan" (LANL 2006, 094043).

White Rock Watershed Conceptual Model

Conceptual Model Element	Characteristic	Description
Surface Water	Flow	Flow from regional aquifer springs supports perennial surface-water flow in several canyons just above where they reach the Rio Grande. Sandia, Pajarito, Ancho, and Chaquehui Canyons are included. Except for Sandia Canyon, the surface-water flow in each of the canyons reaches the Rio Grande. A municipal sanitary treatment plant discharges effluent into Mortandad Canyon just above the river at the northern county boundary.
	Quality	Barium is the only constituent that has been detected above regulatory standards in surface water (in 2 of 28 samples). Water quality of the other streams is mainly determined by the chemistry of their contributing springs (summarized in the regional aquifer description below). Discharge from the municipal sanitary treatment plant is the primary surface-water source that enters the Rio Grande from Mortandad Canyon. The discharge from the plant has a strong impact on the chemistry of the water that enters the Rio Grande from Mortandad Canyon, leading to higher total dissolved solids (TDS), nitrate, chloride, sulfate, and some metals.
Springs	Name	Springs near the Rio Grande represent natural discharge from the regional aquifer. Regional aquifer springs are present just above the Rio Grande in Sandia, Pajarito, Ancho, and Chaquehui Canyons. Los Alamos and Water Canyons do not have significant springs in their lower reaches. A small seep (Otowi Spring) emerges along the Rio Grande bank south of Los Alamos Canyon. A small seep (Spring 5AA) issues from the Totavi Lentil in lower Water Canyon but seldom has sufficient water for sampling. Springs discharge from two geologic units: the Tesuque Formation and the Totavi Lentil (the lower part of the Puye Formation). The Tesuque Formation consists of sandstones, siltstones, and interbedded basalts. The Totavi Lentil is a channel-fill deposit made up of grain sizes ranging from gravel to boulders. Purtymun divided the springs into four groups based on geologic unit and chemistry (Purtymun 1995, 045344). Group I springs discharge from the Totavi Lentil on the west side of the river. Water is dominated by calcium bicarbonate with sulfate and chloride of about 4 mg/L and TDS averages 163 mg/L. These springs follow the outcrop of the Totavi Lentil, increasing their elevation above the river in a downstream direction. These higher elevation springs generally occur on the flanks of or in the bottom of canyons where erosion has exposed the Totavi Lentil. Group II springs discharge from coarse-grained Tesuque Formation sediments on both sides of the river. These springs have sodium bicarbonate water with about 3 mg/L of sulfate and chloride, and TDS average 183 mg/L. Group III springs discharge from fine-grained Tesuque Formation sediments on the west side of the river. These springs also have sodium bicarbonate water with about 10 mg/L of sulfate, 3 mg/L of chloride, and TDS average 215 mg/L. Group IV springs discharge from fine-grained Tesuque Formation sediments on the east side of the river near faults and basalt flows. These springs have varied chemistry with higher TDS (270 to 500 mg/L) than the other springs.

Conceptual Model Element	Characteristic	Description
Springs (cont.)	Name (continued)	Most of the springs discharge close to the elevation of the Rio Grande; however, some springs discharge at elevations several tens of feet above the Rio Grande. There are different hypotheses about the meaning of the elevation of springs above the river. One hypothesis is the elevations could reflect channeling of discharge from the regional aquifer along the higher-permeability Totavi Lentil. Another hypothesis of spring occurrence is that the elevation of springs above the river could reflect local variations in permeability and geology related to numerous landslides along the canyon walls. A third hypothesis is that the elevation of some springs above the river indicates that they discharge from perched groundwater located above the regional aquifer.
	Quality	The U.S. Geological Survey and Los Alamos National Laboratory (the Laboratory) have monitored chemistry of the White Rock springs since the 1960s. One sample of 67 from all springs (and 1 of 8 from this spring) showed, trinitrotoluene[2,4,6-] and 1,3,5,7-tetranitro-1,2,5,7-tetrazocine above regulatory standards.
Alluvial Groundwater	Extent	Alluvial groundwater is not present in the White Rock Canyon area. However, household wells in Los Alamos Canyon (Halladay and Otowi) and household wells nearer the Rio Grande probably draw their water from Santa Fe Group sediments but may draw water in part from alluvium in these drainages.
	Depth/Thickness	Not applicable
	Quality	Not applicable
Intermediate Groundwater	Extent/Hydrology	Perched intermediate groundwater may not be present in the White Rock Canyon area. However, an alternative hypothesis about White Rock Canyon spring origin is that the elevation of some springs above the river indicates that they discharge from perched groundwater located above the regional aquifer.
	Depth/Thickness	Not applicable
	Quality	Not applicable
Regional Aquifer	Depth/Hydrology	The Rio Grande is the major groundwater discharge point for the regional aquifer underlying the Pajarito Plateau. The river gains flow through White Rock Canyon (Purtymun 1995, 045344) indicating that the local water table lies above the river. The Buckman well field lies adjacent to the Rio Grande on the east bank and includes eight pumping wells. These wells draw their water from Santa Fe Group sediments. The water in these wells is quite old, having passed through the deeper portion of the basin-fill sediments where it acquired a higher load of dissolved solutes. San Ildefonso Pueblo draws water from more than 10 community and household wells located on both sides of the Rio Grande. Little information on depth or geology for these wells is available. Many of these wells probably draw their water from Santa Fe Group sediments. At least two of the San Ildefonso wells are uncapped artesian wells.

Conceptual Model Element	Characteristic	Description
Regional Aquifer (cont.)	Quality	Except for naturally occurring constituents, no constituents exceed regulatory standards. Some of the Buckman wells have exceptionally high uranium (up to 230 parts per million [ppm]), compared with the new U.S. Environmental Protection Agency maximum contaminant level of 30 ppm). Such naturally occurring uranium is common in the Pojoaque and Tesuque area. The Buckman wells also have high sodium, alkalinity, and TDS. San Ildefonso Pueblo household wells also produce older water from deep within the basin and have high sodium, chloride, alkalinity, and TDS, as well as uranium, arsenic, and boron.
	Potential Sources	Technical Area (TA) 33, which borders the Rio Grande) is a site where tritium activities formerly occurred. The low- to moderate-density residential area of White Rock borders the Rio Grande to the north of the Laboratory boundary in White Rock Canyon. A municipal sanitary treatment plant discharges effluent into Mortandad Canyon just above the river at the northern county boundary.
Contaminants	Type	TA-33 was used as a firing site and for production of tritium. Solid waste management units and areas of concern include landfills, septic systems, and burn areas. TA-33 is situated on a mesa top and is being investigated by the Environmental Restoration Project as Operable Unit 1122. If contaminants are released from TA-33, they may impact Ancho Canyon, Chaquehui Canyon, or the Rio Grande. The discharge from the municipal treatment plant is the primary surface-water source and has a strong impact on the chemistry of the water that enters the Rio Grande from Mortandad Canyon, leading to higher TDS, nitrate, chloride, sulfate, and some metals.

A.1-0 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.

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LANL (Los Alamos National Laboratory), July 2006. "Interim Facility-Wide Groundwater Monitoring Plan, Revision 1.1," Los Alamos National Laboratory document LA-UR-06-4975, Los Alamos, New Mexico. (LANL 2006, 094043)

Purtymun, W.D., January 1995. "Geologic and Hydrologic Records of Observation Wells, Test Holes, Test Wells, Supply Wells, Springs, and Surface Water Stations in the Los Alamos Area," Los Alamos National Laboratory report LA-12883-MS, Los Alamos, New Mexico. (Purtymun 1995, 045344)

Appendix B

Field Parameter Results

Field Parameter Results

Location	Date	Field Matrix	Analyte	Result	Units	Sample
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	05/02/07	WG	Oxidation reduction potential	193.6	mV	FU070400GSAW01
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	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	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	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
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	05/07/07	WG	Oxidation reduction potential	204	mV	FU070400G2SW01
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	09/13/04	WG	pH	8.49	SU	FU04090G2SW01
Spring 2	10/06/03	WG	pH	8.2	SU	FU03080G2SW01
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
Spring 2	09/13/04	WG	Specific conductance	258	µS/cm	FU04090G2SW01
Spring 2	10/06/03	WG	Specific conductance	334	µS/cm	FU03080G2SW01
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	09/13/04	WG	Temperature	19.4	deg C	FU04090G2SW01
Spring 2	10/06/03	WG	Temperature	16.8	deg C	FU03080G2SW01
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	09/13/04	WG	Turbidity	3.19	NTU	FU04090G2SW01
Spring 2	10/06/03	WG	Turbidity	9.8	NTU	FU03080G2SW01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
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	04/20/05	WG	Dissolved oxygen	5	mg/L	FU05040G3SW01
Spring 3	03/09/05	WG	Dissolved oxygen	5.5	mg/L	FU05030G3SW01
Spring 3	04/30/07	WG	Oxidation reduction potential	560	mV	FU070400G3SW01
Spring 3	04/30/07	WG	pH	7.43	SU	FU070400G3SW01
Spring 3	09/18/06	WG	pH	8.1	SU	FU060900G3SW01
Spring 3	09/26/05	WG	pH	7.41	SU	FU05090G3SW01
Spring 3	04/20/05	WG	pH	6.77	SU	FU05040G3SW01
Spring 3	03/09/05	WG	pH	7.78	SU	FU05030G3SW01
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	05/16/05	WG	Specific conductance	213	µS/cm	FU05040G3SW02
Spring 3	04/20/05	WG	Specific conductance	208	µS/cm	FU05040G3SW01
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	05/16/05	WG	Temperature	21.4	deg C	FU05040G3SW02
Spring 3	04/20/05	WG	Temperature	19.2	deg C	FU05040G3SW01
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	09/13/04	WG	Turbidity	2.17	NTU	FU04090G3SW01
Spring 3	10/06/03	WG	Turbidity	1.23	NTU	FU03080G3SW01
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	07/21/05	WG	Dissolved oxygen	3.53	mg/L	FU05070GA3S01
Spring 3A	04/20/05	WG	Dissolved oxygen	6.6	mg/L	FU05040GA3S02
Spring 3A	04/30/07	WG	Oxidation reduction potential	185.2	mV	FU070400GA3S01
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	07/21/05	WG	pH	7.61	SU	FU05070GA3S01
Spring 3A	04/20/05	WG	pH	7	SU	FU05040GA3S02
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

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 3A	07/21/05	WG	Specific conductance	188.9	µS/cm	FU05070GA3S01
Spring 3A	05/16/05	WG	Specific conductance	190.2	µS/cm	FU05040GA3S03
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	07/21/05	WG	Temperature	19.5	deg C	FU05070GA3S01
Spring 3A	05/16/05	WG	Temperature	20	deg C	FU05040GA3S03
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	07/21/05	WG	Turbidity	0.24	NTU	FU05070GA3S01
Spring 3A	09/13/04	WG	Turbidity	0.22	NTU	FU04090GA3S01
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	07/27/05	WG	Dissolved oxygen	8.58	mg/L	FU05070G4SW01
Spring 4	04/22/05	WG	Dissolved oxygen	7.4	mg/L	FU05040G4SW01
Spring 4	05/03/07	WG	Oxidation reduction potential	411	mV	FU070400G4SW01
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	07/27/05	WG	pH	7.06	SU	FU05070G4SW01
Spring 4	04/22/05	WG	pH	7.4	SU	FU05040G4SW01
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	07/27/05	WG	Specific conductance	211	µS/cm	FU05070G4SW01
Spring 4	04/22/05	WG	Specific conductance	213	µS/cm	FU05040G4SW01
Spring 4	05/03/07	WG	Temperature	15.9	deg C	FU070400G4SW01
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	07/27/05	WG	Temperature	16.8	deg C	FU05070G4SW01
Spring 4	04/22/05	WG	Temperature	15.7	deg C	FU05040G4SW01
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	07/27/05	WG	Turbidity	0.98	NTU	FU05070G4SW01
Spring 4	09/13/04	WG	Turbidity	0.95	NTU	FU04090G4SW01
Spring 4A	05/02/07	WG	Dissolved oxygen	7.4	mg/L	GF070400GA4S01
Spring 4A	05/02/07	WG	Oxidation reduction potential	275	mV	GF070400GA4S01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 4A	05/02/07	WG	pH	7.62	SU	GF070400GA4S01
Spring 4A	09/18/06	WG	pH	7.9	SU	FU060900GA4S01
Spring 4A	09/27/05	WG	pH	7.89	SU	FU05090GA4S01
Spring 4A	07/28/05	WG	pH	7.52	SU	FU05070GA4S01
Spring 4A	05/16/05	WG	pH	6.47	SU	FU05040GA4S02
Spring 4A	05/02/07	WG	Specific conductance	192.8	µS/cm	GF070400GA4S01
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	07/28/05	WG	Specific conductance	198.7	µS/cm	FU05070GA4S01
Spring 4A	05/16/05	WG	Specific conductance	198.8	µS/cm	FU05040GA4S02
Spring 4A	05/02/07	WG	Temperature	20.4	deg C	GF070400GA4S01
Spring 4A	05/02/07	WG	Turbidity	0.64	NTU	GF070400GA4S01
Spring 4AA	05/02/07	WG	Dissolved Oxygen	7.4	mg/L	GF070400GAA401
Spring 4AA	05/02/07	WG	Oxidation reduction potential	367	mV	GF070400GAA401
Spring 4AA	05/02/07	WG	pH	7.26	SU	GF070400GAA401
Spring 4AA	09/18/06	WG	pH	7.06	SU	FU060900GAA401
Spring 4AA	09/27/05	WG	pH	7.21	SU	FU05090GAA401
Spring 4AA	07/26/05	WG	pH	7.2	SU	FU05070GAA401
Spring 4AA	05/16/05	WG	pH	7.73	SU	FU05040GAA402
Spring 4AA	05/02/07	WG	Specific conductance	201	uS/cm	GF070400GAA401
Spring 4AA	09/18/06	WG	Specific conductance	194.4	uS/cm	FU060900GAA401
Spring 4AA	09/27/05	WG	Specific conductance	201	uS/cm	FU05090GAA401
Spring 4AA	07/26/05	WG	Specific conductance	209	uS/cm	FU05070GAA401
Spring 4AA	05/16/05	WG	Specific conductance	205	uS/cm	FU05040GAA402
Spring 4AA	05/02/07	WG	Temperature	18.7	deg C	GF070400GAA401
Spring 4AA	05/02/07	WG	Turbidity	0.51	NTU	GF070400GAA401
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	07/27/05	WG	Dissolved oxygen	7.51	mg/L	FU05070GB4S01
Spring 4B	04/22/05	WG	Dissolved oxygen	6.5	mg/L	FU05040GB4S01
Spring 4B	05/01/07	WG	Oxidation reduction potential	126.4	mV	FU070400GB4S01
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	07/27/05	WG	pH	6.98	SU	FU05070GB4S01
Spring 4B	05/16/05	WG	pH	7.29	SU	FU05040GB4S02
Spring 4B	05/01/07	WG	Specific conductance	225	uS/cm	FU070400GB4S01
Spring 4B	09/18/06	WG	Specific conductance	211	uS/cm	FU060900GB4S01
Spring 4B	09/26/05	WG	Specific conductance	234	uS/cm	FU05090GB4S01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 4B	07/27/05	WG	Specific conductance	228	uS/cm	FU05070GB4S01
Spring 4B	05/16/05	WG	Specific conductance	230	uS/cm	FU05040GB4S02
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	07/27/05	WG	Temperature	16.1	deg C	FU05070GB4S01
Spring 4B	05/16/05	WG	Temperature	15.7	deg C	FU05040GB4S02
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
Spring 4B	07/27/05	WG	Turbidity	1.99	NTU	FU05070GB4S01
Spring 4B	09/14/04	WG	Turbidity	16.8	NTU	FN04090GB4S01
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	07/27/05	WG	Dissolved oxygen	9.5	mg/L	FU05070GC4S01
Spring 4C	04/22/05	WG	Dissolved oxygen	7.6	mg/L	FU05040GC4S01
Spring 4C	05/01/07	WG	Oxidation reduction potential	128	mV	FU070400GC4S01
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	07/27/05	WG	pH	7.18	SU	FU05070GC4S01
Spring 4C	05/20/05	WG	pH	7.65	SU	FU05040GC4S02
Spring 4C	05/01/07	WG	Specific conductance	204	uS/cm	FU070400GC4S01
Spring 4C	09/19/06	WG	Specific conductance	206	uS/cm	FU060900GC4S01
Spring 4C	09/27/05	WG	Specific conductance	204	uS/cm	FU05090GC4S01
Spring 4C	07/27/05	WG	Specific conductance	210	uS/cm	FU05070GC4S01
Spring 4C	05/20/05	WG	Specific conductance	204	uS/cm	FU05040GC4S02
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	07/27/05	WG	Temperature	16.3	deg C	FU05070GC4S01
Spring 4C	05/20/05	WG	Temperature	16.6	deg C	FU05040GC4S02
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	07/27/05	WG	Turbidity	0.33	NTU	FU05070GC4S01
Spring 4C	09/14/04	WG	Turbidity	0.32	NTU	FN04090GC4S01
Spring 5	05/01/07	WG	Dissolved oxygen	6.5	mg/L	FU070400G5SW01
Spring 5	05/01/07	WG	Oxidation reduction potential	385	mV	FU070400G5SW01

Location	Date	Field Matrix	Analyte	Result	Units	Sample
Spring 5	05/01/07	WG	pH	7.63	SU	FU070400G5SW01
Spring 5	09/19/06	WG	pH	7.71	SU	FU060900G5SW01
Spring 5	09/27/05	WG	pH	8.13	SU	FU05090G5SW01
Spring 5	07/26/05	WG	pH	7.58	SU	FU05070G5SW01
Spring 5	06/02/05	WG	pH	7.57	SU	FU05040G5SW02
Spring 5	05/01/07	WG	Specific conductance	172.3	uS/cm	FU070400G5SW01
Spring 5	09/19/06	WG	Specific conductance	179	uS/cm	FU060900G5SW01
Spring 5	09/27/05	WG	Specific conductance	174.5	uS/cm	FU05090G5SW01
Spring 5	07/26/05	WG	Specific conductance	179.5	uS/cm	FU05070G5SW01
Spring 5	06/02/05	WG	Specific conductance	181.2	uS/cm	FU05040G5SW02
Spring 5	05/01/07	WG	Temperature	20.9	deg C	FU070400G5SW01
Spring 5	05/01/07	WG	Turbidity	0.45	NTU	FU070400G5SW01

Appendix C

Groundwater-Level Measurements
(Because there are no groundwater monitoring wells in White Rock Watershed, this appendix is blank.)

Appendix D

Analytical Results

Analytical Results

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	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		58.8			0.725	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		53.9			0.725	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		57.1			1.45	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		71.4			0.725	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		71.4			0.725	mg/L			50912	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SM:A2320B	Alkalinity-CO_3+HCO_3		57.1			1	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/26/00	WG	F	DUP		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		58.1			1	mg/L			32206	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		60.6			0.725	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		13			0.036	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		12.7			0.036	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		13.1			0.00554	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	SW-846:6010B	Calcium		12.1			0.0375	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	SW-846:6010B	Calcium		12.4			0.0375	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:6010B	Calcium		13			0.0355	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		12.2			0.036	mg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		12.7			0.036	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		2.22			0.066	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		2.24			0.066	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		2.16			0.0322	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:300.0	Chloride		1.89			0.025	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:300.0	Chloride		1.85			0.025	mg/L			50912	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:9056	Chloride		1.92			0.026	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		2.21			0.066	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.355			0.033	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.384			0.033	mg/L		U, J+	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.307			0.0553	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:340.2	Fluoride		0.315			0.006	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:340.2	Fluoride		0.314			0.006	mg/L			50912	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	EPA:340.2	Fluoride		0.355			0.007	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.411			0.033	mg/L		U	172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		45.6			0.44	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		43.9			0.085	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		45.6			0.00554	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:200.7	Hardness		42.4			0.112	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SM:A2340B	Hardness		44.7			0.103	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		42.7			0.44	mg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		44			0.085	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		3.19			0.085	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		2.98			0.085	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		3.11			0.00518	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		2.96			0.00449	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	SW-846:6010B	Magnesium		3.03			0.00449	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		3.02			0.00354	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		2.99			0.085	mg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		3			0.085	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		0.62			0.1	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.424			0.014	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.491			0.003	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.34			0.0069	mg/L			51004	GF01101GSAW	GELC

Analytical Results

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	10/24/01	WG	F	DUP		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.34			0.0069	mg/L			50912	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.37			0.009	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.371			0.014	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.364			0.05	µg/L		J-	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172456	GF060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.3			0.05	µg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		130097	GU05010GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.439			0.05	µg/L			130097	GU05010GSAW01	GELC
Ancho Spring	10/24/01	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	0.958			0.958	µg/L	U		51004	GU01101GSAW	GELC
Ancho Spring	10/24/01	WG	UF	DUP		Geninorg	EPA:314.0	Perchlorate	<	0.958			0.958	µg/L	U		50912	GU01101GSAW	GELC
Ancho Spring	09/26/00	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	1.04			1.04	µg/L	U		32223	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.9			0.05	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.75			0.05	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.72			0.0165	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.84			0.00707	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	SW-846:6010B	Potassium		1.88			0.00707	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.86			0.0164	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.73			0.05	mg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.73			0.05	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		73.1			0.032	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		72			0.032	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		71.2			0.0212	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		74.6			0.0568	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	SW-846:6010B	Silicon Dioxide		78.5			0.0568	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		81.1			0.0186	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		73.1			0.032	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		11.5			0.045	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		10.1			0.045	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		10.4			0.0144	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	SW-846:6010B	Sodium		10.4			0.00813	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	SW-846:6010B	Sodium		10.6			0.00813	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:6010B	Sodium		11.1			0.013	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		10.4			0.045	mg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		10.2			0.045	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		141			1	µS/cm			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		140			1	µS/cm			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	SW-846:9050A	Specific Conductance		135			1	µS/cm			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	SW-846:9050A	Specific Conductance		118			1	µS/cm			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:120.1	Specific Conductance		118			1	µS/cm			50912	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:9050A	Specific Conductance		101			1	µS/cm			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		143			1	µS/cm			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		2.65			0.1	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		2.59			0.1	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		2.61			0.193	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:300.0	Sulfate		2.21			0.062	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:300.0	Sulfate		2.32			0.062	mg/L			50912	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	SW-846:9056	Sulfate		2.22			0.079	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		2.56			0.1	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		1.4			1.14	mg/L	J		185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration	<	1.43			1.43	mg/L	U		172456	GU060900GSAW01	GELC
Ancho Spring	02/02/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		6			1.53	mg/L	J		130097	GU05010GSAW01	GELC

Analytical Results

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	02/02/05	WG	UF	RE		Geninorg	EPA:160.2	Suspended Sediment Concentration		5.2			1.53	mg/L	J		130097	GU05010GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		135			2.38	mg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		155			2.38	mg/L			172456	GU060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		151			2.38	mg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		131			3.07	mg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		144			5.09	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:160.1	Total Dissolved Solids		147			5.09	mg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		148			6.29	mg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/26/00	WG	F	DUP		Geninorg	EPA:160.1	Total Dissolved Solids		155			6.29	mg/L		J	32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.045			0.029	mg/L	J	JN-	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.036			0.01	mg/L	J	JN-	172456	GF060900GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.064			0.01	mg/L	J		172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.399			0.33	mg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon	<	0.737			0.33	mg/L	J	U	172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.88			0.01	SU	H	J	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Geninorg	EPA:150.1	pH		7.88			0.01	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	10/24/01	WG	F	CS		Geninorg	EPA:150.1	pH		7.45			0.01	SU		J	51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Geninorg	EPA:150.1	pH		7.47			0.01	SU			51004	GF01101GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Geninorg	EPA:150.1	pH		7.85			0.01	SU	H	J	172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6020	Arsenic		4.4			1.5	µg/L	J		185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Arsenic		2.6			2.24	µg/L	J	J+	130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	3.05			4.57	µg/L	B		51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Arsenic	<	4.57			4.57	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	2.57			2.57	µg/L	U		32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6020	Arsenic		3.7			1.5	µg/L	J		185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6010B	Barium		26.5			1	µg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Barium		25.6			1	µg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Barium		24.7			0.222	µg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Barium		25.7			0.206	µg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Barium		26.2			0.206	µg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Barium		28.1			0.748	µg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Barium		24.7			1	µg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Barium		25.7			1	µg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6010B	Boron		19.3			10	µg/L	J		185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Boron		13.9			10	µg/L	J		172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Boron		14.1			4.88	µg/L	J		130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Boron	<	22.8			2.95	µg/L	B	U	51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Boron		19.6			2.95	µg/L	B		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Boron	<	4.74			4.74	µg/L	U		32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Boron		13.2			10	µg/L	J		185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Boron		13.9			10	µg/L	J		172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6020	Chromium		3.9			1	µg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6020	Chromium		2.8			1	µg/L	J	JN-	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Chromium	<	3.8			0.503	µg/L	J	U	130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Chromium		3.47			0.781	µg/L	B		51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Chromium		3.08			0.781	µg/L	B		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Chromium		3.41			1.06	µg/L	B		32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6020	Chromium		4.5			1	µg/L			185416	GU070400GSAW01	GELC

Analytical Results

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	09/19/06	WG	UF	CS		Metals	SW-846:6020	Chromium		3.4			1	µg/L		JN-	172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6010B	Copper		3.5			3	µg/L	J	J-	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Copper	<	3			3	µg/L	U	R	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Copper	<	1.39			1.39	µg/L	U		130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Copper	<	2.67			2.67	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Copper	<	2.67			2.67	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Copper	<	1.84			1.84	µg/L	U		32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Copper	<	3			3	µg/L	U	R	172456	GU060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Iron	<	18			18	µg/L	U		172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Iron	<	12.6			12.6	µg/L	U		130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Iron	<	20.6			20.6	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Iron	<	20.6			20.6	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Iron	<	19.9			19.9	µg/L	U		32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Iron		33.3			18	µg/L	J		185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Iron	<	18			18	µg/L	U		172456	GU060900GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6020	Silver	<	0.2			0.2	µg/L	U		172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Silver	<	0.835			0.835	µg/L	U		130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Silver	<	0.197			0.197	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Silver	<	0.197			0.197	µg/L	U		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Silver	<	0.529			0.529	µg/L	U		32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6020	Silver		0.82			0.2	µg/L	J		185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6020	Silver	<	0.2			0.2	µg/L	U		172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6010B	Strontium		59.8			1	µg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Strontium		60.5			1	µg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Strontium		61.3			0.178	µg/L			130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Strontium		56.7			0.168	µg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Strontium		58			0.168	µg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Strontium		63.9			0.469	µg/L			32208	GM00091GSAW	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		57.6			1	µg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		61			1	µg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6020	Uranium		0.31			0.05	µg/L			185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6020	Uranium		0.24			0.05	µg/L			172456	GF060900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS		Metals	SW-846:6020	Uranium		0.35			0.05	µg/L			185416	GU070400GSAW01	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6020	Uranium		0.25			0.05	µg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		8.2			1	µg/L		J+	185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		6.2			1	µg/L			172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Vanadium	<	7.6			0.606	µg/L		U	130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Vanadium		6.72			1.09	µg/L			51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Vanadium		7.09			1.09	µg/L			51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Vanadium		6.77			0.89	µg/L			32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		6.2			1	µg/L			172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	F	CS		Metals	SW-846:6010B	Zinc		2.1			2	µg/L	J		185416	GF070400GSAW01	GELC
Ancho Spring	09/19/06	WG	F	CS		Metals	SW-846:6010B	Zinc	<	3.2			2	µg/L	J*	U, J	172456	GF060900GSAW01	GELC
Ancho Spring	02/02/05	WG	F	CS		Metals	SW-846:6010B	Zinc	<	1.2			0.883	µg/L	J	U	130097	GF05010GSAW01	GELC
Ancho Spring	10/24/01	WG	F	CS		Metals	SW-846:6010B	Zinc	<	1.51			2.81	µg/L	B	U	51004	GF01101GSAW	GELC
Ancho Spring	10/24/01	WG	F	DUP		Metals	SW-846:6010B	Zinc	<	1.18			2.81	µg/L	B		51004	GF01101GSAW	GELC
Ancho Spring	09/26/00	WG	F	CS		Metals	SW-846:6010B	Zinc	<	2.26			3.89	µg/L	B	U	32208	GM00091GSAW	GELC
Ancho Spring	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Zinc	<	3.5			2	µg/L	J*	J, U	172456	GU060900GSAW01	GELC
Ancho Spring	05/02/07	WG	UF	CS		Rad	LLEE	Tritium		-0.12772	0.09579	0.28737		pCi/L		U	2336	UU070400GSAW01	UMTL
Ancho Spring	09/19/06	WG	UF	CS		Rad	LLEE	Tritium		0.15965	0.09579	0.28737		pCi/L		U	2273	UU060900GSAW01	UMTL
Ancho Spring	02/02/05	WG	UF	CS		Rad	EPA:906.0	Tritium		37.4	20.2	204		pCi/L	U	U	130097	GU05010GSAW01	GELC

Analytical Results

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	02/02/05	WG	UF	CS		Rad	LLEE	Tritium		-0.15965	0.09579		0.28737	pCi/L		U	2009	UU05010GSAW01	UMTL
Ancho Spring	10/24/01	WG	UF	CS		Rad	EPA:906.0	Tritium		-53.8	16.36666667	167		pCi/L	U	U	51004	GU01101GSAW	GELC
Ancho Spring	10/24/01	WG	UF	DUP		Rad	EPA:906.0	Tritium		-26.6	16.43333333	165		pCi/L	U		51004	GU01101GSAW	GELC
Ancho Spring	09/26/00	WG	UF	CS		Rad	EPA:906.0	Tritium		-89.6	18.13333333	191		pCi/L		U	32009	GM00091GSAW	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		1.72			0.725	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		3.91			0.725	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3	<	1.45			1.45	mg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		1.69			1.45	mg/L	J		121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		3.38			1.45	mg/L		J	89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		5.26			0.725	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		131			0.725	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		68.7			0.725	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		112			1.45	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		126			1.45	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		150			1.45	mg/L		J	89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		170			0.725	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:350.1	Ammonia as Nitrogen		0.041			0.03	mg/L	J		185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.01			0.01	mg/L	U	UJ	172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.04			0.04	mg/L	U	UJ, R	146657	GF05090G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.01			0.01	mg/L	U	UJ	172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		15.3			0.036	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.3			0.036	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		16.5			0.036	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		13.5			0.00554	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Calcium		19			0.00554	mg/L			89802	GF03080G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		15.7			0.036	mg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.3			0.036	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		17.2			0.036	mg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		2.85			0.066	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		3.53			0.066	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		2.76			0.053	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		2.86			0.0322	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Chloride		3.82			0.0322	mg/L			89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		3.59			0.066	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.559			0.033	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride		1.14			0.033	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.547			0.03	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		1.14			0.0553	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Fluoride		1.19			0.0553	mg/L			89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride		1.16			0.033	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		41.4			0.44	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		54.9			0.085	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		44.5			0.085	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		36.1			0.00554	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:200.7	Hardness		50.9			0.00554	mg/L			89802	GF03080G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		42.4			0.44	mg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		57.8			0.085	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	SM:A2340B	Hardness		47.5			0.085	mg/L			146657	GU05090G2SW01	GELC

Analytical Results

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 2	05/07/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		0.765			0.085	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.03			0.085	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		0.833			0.085	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		0.603			0.00518	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		0.848			0.00518	mg/L			89802	GF03080G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		0.812			0.085	mg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		1.13			0.085	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		1.13			0.085	mg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		0.01			0.01	mg/L	J	JN-	185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N	<	0.014			0.014	mg/L	U	UJ, R	172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N	<	0.017			0.017	mg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N	<	0.003			0.003	mg/L	U	UJ	121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U	R	89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.849			0.014	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.163			0.05	µg/L	J		185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172166	GF060900G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate	<	0.05			0.05	µg/L	U		172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate	<	0.05			0.05	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate	<	0.05			0.05	µg/L	U		121725	GU04090G2SW01	GELC
Spring 2	09/13/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090G2SW01	GELC
Spring 2	10/06/03	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		89802	GU03080G2SW01	GELC
Spring 2	09/13/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090G2SW01	GELC
Spring 2	10/06/03	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		89802	GU03080G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.65			0.05	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.48			0.05	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.47			0.05	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.26			0.0165	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.45			0.0165	mg/L			89802	GF03080G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.74			0.05	mg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.49			0.05	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.77			0.05	mg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		32			0.032	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		37			0.032	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		32.6			0.032	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		30.3			0.0212	mg/L			121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		34.7			0.284	mg/L	E		49694	GF01091G2SW	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		38.6			0.032	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		39.5			0.032	mg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		42.8			0.045	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		63.6			0.045	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		39			0.045	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		44.1			0.0144	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Sodium		64			0.0144	mg/L			89802	GF03080G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		44.3			0.045	mg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		65.5			0.045	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		40			0.045	mg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		274			1	µS/cm			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		338			1	µS/cm			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		230			1	µS/cm			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	SW-846:9050A	Specific Conductance		265			1	µS/cm			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	SW-846:9050A	Specific Conductance		334			1	µS/cm			89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		333			1	µS/cm			172166	GU060900G2SW01	GELC

Analytical Results

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 2	05/07/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.66			0.1	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.77			0.1	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.01			0.057	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.35			0.193	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Sulfate		10.2			0.193	mg/L			89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		4.99			0.1	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		3.2			2.28	mg/L	J		185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		3			1.43	mg/L	J		172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		27.6			1.27	mg/L			146657	GU05090G2SW01	GELC
Spring 2	11/06/02	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		3.6			1.53	mg/L	J		70273	GU02100G2SW01	GELC
Spring 2	11/06/02	WG	UF	DUP		Geninorg	EPA:160.2	Suspended Sediment Concentration		4			1.53	mg/L	J		70273	GU02100G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		147			2.38	mg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		234			2.38	mg/L			172166	GU060900G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		231			2.38	mg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		184			2.38	mg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		178			3.07	mg/L			121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		217			3.07	mg/L	H	J	89802	GF03080G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		1.41			0.33	mg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		2			0.33	mg/L			172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Geninorg	EPA:150.1	pH		8.21			0.01	SU	H	J	185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		8.58			0.01	SU	H	J	172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.32			0.01	SU	H	J	146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Geninorg	EPA:150.1	pH		7.98				SU	H	J	121724	GF04090G2SW01	GELC
Spring 2	10/06/03	WG	F	CS		Geninorg	EPA:150.1	pH		8.24			0.01	SU	H	J	89802	GF03080G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		8.62			0.01	SU	H	J	172166	GU060900G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6020	Arsenic		9.7			1.5	µg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Arsenic		27.8			6	µg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Arsenic		25.2			2.24	µg/L			121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Arsenic		23			4.57	µg/L			49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6020	Arsenic		11.6			1.5	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Arsenic		26.6			6	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Arsenic		10			6	µg/L	J		146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6010B	Barium		23.9			1	µg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		32.4			1	µg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Barium		24.8			1	µg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Barium		19.7			0.222	µg/L			121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Barium		24.4			0.206	µg/L			49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6010B	Barium		27.5			1	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		36.6			1	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Barium		45.2			1	µg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6010B	Boron		43			10	µg/L	J		185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron		72.5			10	µg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Boron		42.1			10	µg/L	J		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Boron		71.1			4.88	µg/L			121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Boron		65.9			2.95	µg/L			49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6010B	Boron		42			10	µg/L	J		185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron		72.7			10	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Boron		46			10	µg/L	J		146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6020	Chromium		3.1			1	µg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6020	Chromium	<	2			1	µg/L	J	U	172166	GF060900G2SW01	GELC

Analytical Results

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 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Chromium	<	1			1	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Chromium	<	1.3			0.503	µg/L	J	U	121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Chromium	<	0.669			0.781	µg/L	B	U	49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6020	Chromium		1.8			1	µg/L	J		185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6020	Chromium	<	2.4			1	µg/L	J	U	172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Chromium		2			1	µg/L	J		146657	GU05090G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Iron		27.5			18	µg/L	J		172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Iron	<	18			18	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Iron		36			12.6	µg/L	J		121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Iron	<	3			20.6	µg/L	B	U	49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6010B	Iron		172			18	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Iron		163			18	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Iron		1390			18	µg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6010B	Manganese		7.2			2	µg/L	J		185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Manganese		5.3			2	µg/L	J		172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Manganese		42.9			2	µg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Manganese		0.78			0.296	µg/L	J		121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Manganese		8.29			2.94	µg/L	B		49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6010B	Manganese		58.5			2	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Manganese		30.2			2	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Manganese		327			2	µg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6020	Nickel		0.97			0.5	µg/L	J		185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6020	Nickel		0.83			0.5	µg/L	J		172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6020	Nickel	<	0.5			0.5	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Nickel	<	0.69			0.69	µg/L	U		121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Nickel	<	0.743			0.743	µg/L	U		49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6020	Nickel		1.1			0.5	µg/L	J		185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6020	Nickel		1			0.5	µg/L	J		172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6020	Nickel		1.2			0.5	µg/L	J		146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6010B	Strontium		170			1	µg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		230			1	µg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Strontium		175			1	µg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Strontium		189			0.178	µg/L			121724	GF04090G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		173			1	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		237			1	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Strontium		184			1	µg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6020	Thallium		0.64			0.4	µg/L	J		185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.54			0.4	µg/L	J	U	172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.02			0.02	µg/L	U		121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.014			0.014	µg/L	U	UJ	49694	GF01091G2SW	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6020	Uranium		2			0.05	µg/L			185674	GF070400G2SW01	GELC
Spring 2	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		2.4			0.05	µg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6020	Uranium		0.64			0.05	µg/L			146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.02	µg/L			121724	GF04090G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6020	Uranium		1.9			0.05	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		2.5			0.05	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6020	Uranium		0.97			0.05	µg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		15.1			1	µg/L			185674	GF070400G2SW01	GELC

Analytical Results

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 2	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		20.7			1	µg/L			172166	GF060900G2SW01	GELC
Spring 2	09/26/05	WG	F	CS		Metals	SW-846:6010B	Vanadium		3.1			1	µg/L	J		146657	GF05090G2SW01	GELC
Spring 2	09/13/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		16.9			0.606	µg/L			121724	GF04090G2SW01	GELC
Spring 2	09/24/01	WG	F	CS		Metals	SW-846:6010B	Vanadium		22.2			1.09	µg/L			49694	GF01091G2SW	GELC
Spring 2	05/07/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		16.7			1	µg/L			185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		20.7			1	µg/L			172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Vanadium		9.1			1	µg/L			146657	GU05090G2SW01	GELC
Spring 2	05/07/07	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]		2.32			1.25	µg/L	J		185674	GU070400G2SW01	GELC
Spring 2	09/18/06	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5			1.25	µg/L	U		172166	GU060900G2SW01	GELC
Spring 2	09/26/05	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		146657	GU05090G2SW02	GELC
Spring 2	09/13/04	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		121576	GU04090G2SW02	GELC
Spring 2	09/24/01	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		49694	GU01091G2SW	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		84.5			0.725	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		84.4			0.725	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		76.2			1.45	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		83.9			1.45	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		84.1			1.45	mg/L			89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		85			0.725	mg/L			172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.089			0.066	mg/L	J		185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.066			0.041	mg/L	J		146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		22			0.036	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		22.4			0.036	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		22.4			0.036	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		21.1			0.00554	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Calcium		22.8			0.00554	mg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Geninorg	SW-846:6010B	Calcium		22.8			0.00554	mg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		23.5			0.036	mg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		22.5			0.036	mg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		22.7			0.036	mg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.85			0.066	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.04			0.066	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.03			0.053	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		5			0.0322	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.32			0.0322	mg/L			89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		5.05			0.066	mg/L			172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.419			0.033	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.449			0.033	mg/L		U	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.453			0.03	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.449			0.0553	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.35			0.0553	mg/L			89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.447			0.033	mg/L		U	172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		62.8			0.44	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		64			0.085	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		64			0.085	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		60.5			0.00554	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:200.7	Hardness		64.6			0.04	mg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		67.1			0.44	mg/L			185264	GU070400G3SW01	GELC

Analytical Results

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	SM:A2340B	Hardness		64.1			0.085	mg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Geninorg	SM:A2340B	Hardness		65.6			0.085	mg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.89			0.085	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.92			0.085	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.93			0.085	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.87			0.00518	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.96			0.00518	mg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Geninorg	SW-846:6010B	Magnesium		1.95			0.00518	mg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		2.03			0.085	mg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		1.91			0.085	mg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		2.16			0.085	mg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.84			0.05	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.18			0.014	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.22			0.017	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.35			0.003	mg/L		J+	121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.34			0.01	mg/L			89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.27			0.014	mg/L			172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.458			0.05	µg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172500	GF060900G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.394			0.05	µg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.419			0.05	µg/L			146887	GF05090G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.455			0.05	µg/L			121725	GU04090G3SW01	GELC
Spring 3	09/13/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090G3SW01	GELC
Spring 3	03/08/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		108595	GU04030G3SW01	GELC
Spring 3	03/08/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.424				µg/L			108595	GU04030G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.94			0.05	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		3.19			0.05	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.84			0.05	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.71			0.0165	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Potassium		3.09			0.0165	mg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Geninorg	SW-846:6010B	Potassium		3.19			0.0165	mg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		3.19			0.05	mg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.92			0.05	mg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		3.1			0.05	mg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		47			0.032	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		41.8			0.032	mg/L	E	J	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		51.1			0.032	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		45.3			0.0212	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		48.9			0.0212	mg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Geninorg	SW-846:6010B	Silicon Dioxide		49.2			0.0212	mg/L			89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		47.7			0.032	mg/L	E	J	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		57.4			0.032	mg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		16			0.045	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.9			0.045	mg/L	E	J	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		17.1			0.045	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		14.8			0.0144	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Sodium		17.3			0.0144	mg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Geninorg	SW-846:6010B	Sodium		17.3			0.0144	mg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		17.1			0.045	mg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		15.9			0.045	mg/L	E	J	172500	GU060900G3SW01	GELC

Analytical Results

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	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		16.7			0.045	mg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		214			1	µS/cm			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		218			1	µS/cm			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		192			1	µS/cm			146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		216			1	µS/cm			172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.99			0.1	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.93			0.1	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		6.14			0.057	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.85			0.193	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Sulfate		6.07			0.193	mg/L			89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		5.95			0.1	mg/L			172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		159			2.38	mg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		149			2.38	mg/L			172500	GF060900G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		153			2.38	mg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		163			2.38	mg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		144			3.07	mg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		148			3.07	mg/L	H	J	89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.217			0.33	mg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.79			0.33	mg/L	J		172334	GU060900G3SW02	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus		0.046			0.024	mg/L	J	JN-	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.026			0.01	mg/L	J	J-, U	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.078			0.01	mg/L		U	146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.011			0.011	mg/L	U		121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.011			0.011	mg/L	U		89802	GF03080G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U	UJ, R	172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.78			0.01	SU	H	J	185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		8.13			0.01	SU	H	J	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.1			0.01	SU	H	J	146887	GF05090G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		8.17			0.01	SU	H	J	172500	GU060900G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Metals	SW-846:6010B	Barium		45			1	µg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		45			1	µg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6010B	Barium		44.3			1	µg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6010B	Barium		40.8			0.222	µg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Metals	SW-846:6010B	Barium		42.1			0.222	µg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Metals	SW-846:6010B	Barium		42.5			0.222	µg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Barium		48			1	µg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		43.7			1	µg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Barium		55.9			1	µg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Metals	SW-846:6010B	Boron		21			10	µg/L	J		185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6010B	Boron		21.6			10	µg/L	J		146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6010B	Boron	<	26.2			4.88	µg/L	J	U	121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Metals	SW-846:6010B	Boron	<	20.1			4.88	µg/L	B	U	89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Metals	SW-846:6010B	Boron		23.4			4.88	µg/L	B		89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Boron		23.5			10	µg/L	J		185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Boron		21.7			10	µg/L	J		146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Metals	SW-846:6010B	Molybdenum		2.2			2	µg/L	J		185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6010B	Molybdenum		2.5			1.43	µg/L	J		121724	GF04090G3SW01	GELC

Analytical Results

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	10/06/03	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	1.43			1.43	µg/L	U		89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Metals	SW-846:6010B	Molybdenum	<	1.43			1.43	µg/L	U		89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Molybdenum		2.7			2	µg/L	J		185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Metals	SW-846:6010B	Strontium		231			1	µg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		226			1	µg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6010B	Strontium		240			1	µg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6010B	Strontium		224			0.178	µg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Metals	SW-846:6010B	Strontium		236			0.178	µg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Metals	SW-846:6010B	Strontium		237			0.178	µg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		246			1	µg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		237			1	µg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Strontium		243			1	µg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Metals	SW-846:6020	Uranium		1.9			0.05	µg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		2.1			0.05	µg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6020	Uranium		2.1			0.05	µg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6020	Uranium		2			0.02	µg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Metals	SW-846:6020	Uranium		2.17			0.02	µg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6020	Uranium		1.9			0.05	µg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		2			0.05	µg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6020	Uranium		3.1			0.05	µg/L			146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		14			1	µg/L			185264	GF070400G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		15.5			1	µg/L			172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6010B	Vanadium		14.3			1	µg/L			146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		13.8			0.606	µg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Metals	SW-846:6010B	Vanadium		15.1			0.606	µg/L			89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Metals	SW-846:6010B	Vanadium		15.6			0.606	µg/L			89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		15.4			1	µg/L			185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		14.4			1	µg/L			172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Vanadium		16.8			1	µg/L			146887	GU05090G3SW01	GELC
Spring 3	09/18/06	WG	F	CS		Metals	SW-846:6010B	Zinc	<	8.4			2	µg/L	J	U	172500	GF060900G3SW01	GELC
Spring 3	09/26/05	WG	F	CS		Metals	SW-846:6010B	Zinc	<	2			2	µg/L	U		146887	GF05090G3SW01	GELC
Spring 3	09/13/04	WG	F	CS		Metals	SW-846:6010B	Zinc		7.4			0.883	µg/L			121724	GF04090G3SW01	GELC
Spring 3	10/06/03	WG	F	CS		Metals	SW-846:6010B	Zinc	<	0.883			0.883	µg/L	U	UJ	89802	GF03080G3SW01	GELC
Spring 3	10/06/03	WG	F	DUP		Metals	SW-846:6010B	Zinc	<	0.883			0.883	µg/L	U		89802	GF03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Zinc		6.2			2	µg/L	J		185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Zinc	<	4			2	µg/L	J	U	172500	GU060900G3SW01	GELC
Spring 3	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Zinc		4.2			2	µg/L	J		146887	GU05090G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		Rad	LLEE	Tritium		1.40492	0.09579	0.28737		pCi/L			2336	UU070400G3SW01	UMTL
Spring 3	09/18/06	WG	UF	CS		Rad	LLEE	Tritium		1.30913	0.09579	0.28737		pCi/L			2273	UU060900G3SW01	UMTL
Spring 3	09/26/05	WG	UF	CS		Rad	EPA:906.0	Tritium		19.3	19.43333333	198		pCi/L	U	U	146887	GU05090G3SW01	GELC
Spring 3	09/13/04	WG	UF	CS		Rad	EPA:906.0	Tritium		-15.9	15.43333333	154		pCi/L	U	U	121725	GU04090G3SW01	GELC
Spring 3	09/13/04	WG	UF	CS		Rad	LLEE	Tritium		1.5965	0.09579		0.28737	pCi/L			1952	UU04090G3SW01	UMTL
Spring 3	09/13/04	WG	UF	DUP		Rad	LLEE	Tritium		1.82001	0.106433333		0.28737	pCi/L			1952	UU04090G3SW01	UMTL
Spring 3	10/06/03	WG	UF	CS		Rad	EPA:906.0	Tritium		33	17.66666667	172		pCi/L	U	U	89802	GU03080G3SW01	GELC
Spring 3	10/06/03	WG	UF	RE		Rad	EPA:906.0	Tritium		23	13.63333333	133		pCi/L	U	U	104174	GU03080G3SW01	GELC
Spring 3	04/30/07	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]		3.29			1.25	µg/L	J		185264	GU070400G3SW01	GELC
Spring 3	09/18/06	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5			1.25	µg/L	U		172334	GU060900G3SW02	GELC
Spring 3	09/26/05	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		146712	GU05090G3SW02	GELC
Spring 3	10/06/03	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		89645	GU03080G3SW01	GELC

Analytical Results

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	10/06/03	WG	UF	CS		VOA	EPA:624	Butanone[2-]	<	5				µg/L	U		89650	GU03080G3SW01	GELC
Spring 3	10/09/02	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		68637	GU02100G3SW01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		80.8			0.725	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		79.8			0.725	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		73.2			1.45	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		75.9			1.45	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		81.3			1.45	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		80.3			0.725	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.081			0.066	mg/L	J		185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Bromide	<	0.041			0.041	mg/L	U		146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		21			0.036	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.8			0.036	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.2			0.036	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		19.2			0.00554	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.8			0.00554	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		22.4			0.036	mg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		20.4			0.036	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		20.7			0.036	mg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		3.94			0.066	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		4			0.066	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		3.95			0.053	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		3.95			0.0322	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.16			0.0322	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		4.02			0.066	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.416			0.033	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.425			0.033	mg/L		U	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.423			0.03	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.43			0.0553	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.329			0.0553	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.423			0.033	mg/L		U	172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		59.8			0.44	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		59.2			0.085	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		57.4			0.085	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		54.9			0.00554	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:200.7	Hardness		62.8			0.04	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		63.9			0.44	mg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		58.1			0.085	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Geninorg	SM:A2340B	Hardness		58.9			0.085	mg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.81			0.085	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.78			0.085	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.69			0.085	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.68			0.00518	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		1.78			0.00518	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		1.94			0.085	mg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		1.72			0.085	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		1.74			0.085	mg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.56			0.05	mg/L			185264	GF070400GA3S01	GELC

Analytical Results

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	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.987			0.014	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.946			0.017	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.12			0.003	mg/L		J+	121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.16			0.01	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.1			0.014	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.437			0.05	ug/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172500	GF060900GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.389			0.05	µg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.425			0.05	µg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090GA3S01	GELC
Spring 3A	09/13/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.5			0.05	µg/L			121725	GU04090GA3S01	GELC
Spring 3A	03/08/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.398				µg/L			108593	GU04030GA3S01	GELC
Spring 3A	03/08/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		108593	GU04030GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		3.04			0.05	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		3.27			0.05	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.71			0.05	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.65			0.0165	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Potassium		3.09			0.0165	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		3.25			0.05	mg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.81			0.05	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.76			0.05	mg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		48.5			0.032	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		39.8			0.032	mg/L	E	J	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		49.5			0.032	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		45.6			0.0212	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		50.2			0.0212	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		48.1			0.032	mg/L	E	J	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		49.9			0.032	mg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		15.2			0.045	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		13.3			0.045	mg/L	E	J	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		15.5			0.045	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		13.6			0.0144	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Sodium		16.4			0.0144	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		15.9			0.045	mg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		14.8			0.045	mg/L	E	J	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		15.5			0.045	mg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		206			1	µS/cm			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		203			1	µS/cm			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		156			1	µS/cm			146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		198			1	µS/cm			172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.06			0.1	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.05			0.1	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.13			0.057	mg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.04			0.193	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.08			0.193	mg/L			89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		5.08			0.1	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		130			2.38	mg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		146			2.38	mg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		147			2.38	mg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		158			2.38	mg/L			146887	GF05090GA3S01	GELC

Analytical Results

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	09/13/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		144			3.07	mg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		136			3.07	mg/L	H	J	89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.647			0.33	mg/L	J		185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.567			0.33	mg/L	J		172334	GU060900GA3S02	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus		0.061			0.024	mg/L		JN-	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U	R, UJ	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.091			0.01	mg/L		U	146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus		0.011			0.011	mg/L	J		121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.011			0.011	mg/L	U		89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U	R, UJ	172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.81			0.01	SU	H	J	185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		7.72			0.01	SU	H	J	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.22			0.01	SU	H	J	146887	GF05090GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		7.81			0.01	SU	H	J	172500	GU060900GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Metals	SW-846:6010B	Barium		32.6			1	µg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		33			1	µg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Metals	SW-846:6010B	Barium		30.4			1	µg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Metals	SW-846:6010B	Barium		29.6			0.222	µg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Metals	SW-846:6010B	Barium		32.3			0.222	µg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Barium		34.9			1	µg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		30.5			1	µg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Barium		31.2			1	µg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Metals	SW-846:6010B	Boron		18.6			10	µg/L	J		185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Metals	SW-846:6010B	Boron		20.6			10	µg/L	J		146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Metals	SW-846:6010B	Boron	<	23.6			4.88	µg/L	J	U	121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Metals	SW-846:6010B	Boron		16.2			4.88	µg/L	B		89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Boron		23.3			10	µg/L	J		185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Boron		21.4			10	µg/L	J		146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Metals	SW-846:6010B	Molybdenum		2			2	µg/L	J		185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	1.43			1.43	µg/L	U		121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	1.43			1.43	µg/L	U		89802	GF03080GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Metals	SW-846:6010B	Strontium		225			1	µg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		210			1	µg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Metals	SW-846:6010B	Strontium		223			1	µg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Metals	SW-846:6010B	Strontium		210			0.178	µg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Metals	SW-846:6010B	Strontium		231			0.178	µg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		240			1	µg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		221			1	µg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Strontium		226			1	µg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Metals	SW-846:6020	Uranium		1.4			0.05	µg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		1.6			0.05	µg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Metals	SW-846:6020	Uranium		1.6			0.05	µg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Metals	SW-846:6020	Uranium		1.4			0.02	µg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Metals	SW-846:6020	Uranium		1.57			0.02	µg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Metals	SW-846:6020	Uranium		1.4			0.05	µg/L			185264	GU070400GA3S01	GELC

Analytical Results

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	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		1.5			0.05	µg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Metals	SW-846:6020	Uranium		1.6			0.05	µg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		13			1	µg/L			185264	GF070400GA3S01	GELC
Spring 3A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		14.3			1	µg/L			172500	GF060900GA3S01	GELC
Spring 3A	09/26/05	WG	F	CS		Metals	SW-846:6010B	Vanadium		13.2			1	µg/L			146887	GF05090GA3S01	GELC
Spring 3A	09/13/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		12.8			0.606	µg/L			121724	GF04090GA3S01	GELC
Spring 3A	10/06/03	WG	F	CS		Metals	SW-846:6010B	Vanadium		13.9			0.606	µg/L			89802	GF03080GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		14.7			1	µg/L			185264	GU070400GA3S01	GELC
Spring 3A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		13.2			1	µg/L			172500	GU060900GA3S01	GELC
Spring 3A	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Vanadium		13.5			1	µg/L			146887	GU05090GA3S01	GELC
Spring 3A	04/30/07	WG	UF	CS		Rad	LLEE	Tritium		0.57474	0.09579	0.28737		pCi/L		U	2336	UU070400GA3S01	UMTL
Spring 3A	09/18/06	WG	UF	CS		Rad	LLEE	Tritium		1.18141	0.09579	0.28737		pCi/L			2273	UU060900GA3S01	UMTL
Spring 3A	09/26/05	WG	UF	CS		Rad	EPA:906.0	Tritium		36.1	19.7	200		pCi/L	U	U	146887	GU05090GA3S01	GELC
Spring 3A	09/13/04	WG	UF	CS		Rad	LLEE	Tritium		1.14948	0.09579		0.28737	pCi/L			1952	UU04090GA3S01	UMTL
Spring 3A	09/13/04	WG	UF	CS		Rad	EPA:906.0	Tritium		-18.9	16.06666667	160		pCi/L	U	U	121725	GU04090GA3S01	GELC
Spring 3A	09/13/04	WG	UF	RE		Rad	LLEE	Tritium		1.08562	0.09579		0.28737	pCi/L			1952	UU04090GA3S01	UMTL
Spring 3A	10/06/03	WG	UF	CS		Rad	EPA:906.0	Tritium		450	20.53333333	167		pCi/L		J	89802	GU03080GA3S01	GELC
Spring 3A	10/06/03	WG	UF	CS		Rad	LLEE	Tritium		1.18141	0.09579		0.28737	pCi/L			1805	UU03080GA3S01	UMTL
Spring 3A	10/06/03	WG	UF	RE		Rad	EPA:906.0	Tritium		-32.2	13.63333333	137		pCi/L	U	U	104174	GU03080GA3S01	GELC
Spring 3A	10/06/03	WG	UF	RE		Rad	LLEE	Tritium		1.14948	0.09579		0.28737	pCi/L			1805	UU03080GA3S01	UMTL
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		83.6			0.725	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		83.6			0.725	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		79.3			0.725	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		75.2			1.45	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		78.9			1.45	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		78.1			1.45	mg/L			89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		81.3			0.725	mg/L			172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide		0.125			0.066	mg/L	J		185526	GF070400G4SW20	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.101			0.066	mg/L	J		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.084			0.041	mg/L	J		146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide		0.095			0.066	mg/L	J		172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium		22.9			0.036	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		23.3			0.036	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		21.8			0.036	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		21.8			0.036	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.8			0.00554	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Calcium		22.4			0.00554	mg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium		21.6			0.036	mg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.5			0.036	mg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.9			0.036	mg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.5			0.036	mg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride		6.34			0.066	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.31			0.066	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.53			0.066	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.53			0.053	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.44			0.0322	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.84			0.0322	mg/L			89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		6.55			0.066	mg/L			172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride		0.471			0.033	mg/L			185526	GF070400G4SW20	GELC

Analytical Results

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	F	CS		Geninorg	EPA:300.0	Fluoride		0.474			0.033	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.472			0.033	mg/L		U	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.481			0.03	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.475			0.0553	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.371			0.0553	mg/L			89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.471			0.033	mg/L		U	172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness		76			0.44	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		77.2			0.44	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		72.1			0.085	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		72			0.085	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		68.7			0.00554	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:200.7	Hardness		72.8			0.04	mg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness		72.1			0.44	mg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		71.5			0.44	mg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		72.5			0.085	mg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	SM:A2340B	Hardness		71.2			0.085	mg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium		4.55			0.085	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.64			0.085	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.27			0.085	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.29			0.085	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.1			0.00518	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.48			0.00518	mg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium		4.37			0.085	mg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.33			0.085	mg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.31			0.085	mg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.23			0.085	mg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.66			0.1	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.61			0.1	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.3			0.014	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.22			0.017	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.55			0.003	mg/L		J+	121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.34			0.01	mg/L			89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.43			0.014	mg/L			172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate		0.622			0.05	µg/L		J-	185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.638			0.05	µg/L		J-	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172500	GF060900G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.598			0.05	µg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.619			0.05	µg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090G4SW01	GELC
Spring 4	09/13/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.619			0.05	µg/L			121725	GU04090G4SW01	GELC
Spring 4	03/05/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.609				µg/L			108593	GU04030G4SW01	GELC
Spring 4	03/05/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		108593	GU04030G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium		2.8			0.05	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.85			0.05	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.6			0.05	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.44			0.05	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.47			0.0165	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.84			0.0165	mg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium		2.73			0.05	mg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.64			0.05	mg/L			185526	GU070400G4SW01	GELC

Analytical Results

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	UF	CS		Geninorg	SW-846:6010B	Potassium		2.62			0.05	mg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.44			0.05	mg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SW-846:6010B	Silicon Dioxide		54.2			0.032	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		55.2			0.032	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		52.2			0.032	mg/L	E	J	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		53.5			0.032	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		50.2			0.0212	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		54.6			0.0212	mg/L			89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		53.2			0.032	mg/L	E	J	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		53.4			0.032	mg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium		13.9			0.045	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		14.4			0.045	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		13.3			0.045	mg/L	E	J	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		13.7			0.045	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.6			0.0144	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	SW-846:6010B	Sodium		14.5			0.0144	mg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium		13.4			0.045	mg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.2			0.045	mg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.7			0.045	mg/L	E	J	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.9			0.045	mg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance		233			1	µS/cm			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		226			1	µS/cm			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		226			1	µS/cm			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		194			1	µS/cm			146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		219			1	µS/cm			172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate		9.29			0.1	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.33			0.1	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.44			0.1	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.69			0.057	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.39			0.193	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.94			0.193	mg/L			89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		9.5			0.1	mg/L			172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		2.8			2.28	mg/L	J		185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration	<	1.43			1.43	mg/L	U		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		3.91			1.06	mg/L	J		146889	GU05090G4SW01	GELC
Spring 4	10/17/02	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		2.8			0.764	mg/L	J		69072	GU02100G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids		170			2.38	mg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		179			2.38	mg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		166			2.38	mg/L			172500	GF060900G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		170			2.38	mg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		175			2.38	mg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		136			3.07	mg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		149			3.07	mg/L	H	J	89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.01			0.01	mg/L	U	UJ	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.24			0.04	mg/L	J	U	146889	GF05090G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.039			0.029	mg/L	J	JN-	185526	GU070400G4SW20	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.047			0.01	mg/L	J	U	172500	GU060900G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon		0.432			0.33	mg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.478			0.33	mg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.94			0.33	mg/L	J		172334	GU060900G4SW02	GELC
Spring 4	05/03/07	WG	F	CS	FD	Geninorg	EPA:150.1	pH		7.66			0.01	SU	H	J	185526	GF070400G4SW20	GELC

Analytical Results

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	F	CS		Geninorg	EPA:150.1	pH		7.65			0.01	SU	H	J	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		7.39			0.01	SU	H	J	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Geninorg	EPA:150.1	pH		6.87			0.01	SU	H	J	146889	GF05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		7.62			0.01	SU	H	J	172500	GU060900G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Aluminum	<	68			68	µg/L	U		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Aluminum	<	68			68	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Aluminum	<	14.7			14.7	µg/L	U		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Aluminum	<	14.7			14.7	µg/L	U	R	89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum		71.3			68	µg/L	J		185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6010B	Aluminum		75.7			68	µg/L	J		185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Aluminum	<	68			68	µg/L	U		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Aluminum		82.3			68	µg/L	J		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6020	Arsenic		5			1.5	µg/L	J		185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6020	Arsenic		5.5			1.5	µg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	2.24			2.24	µg/L	U		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	2.24			2.24	µg/L	U		89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic		6.9			1.5	µg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6020	Arsenic		5.5			1.5	µg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		146889	GU05090G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6010B	Barium		43.9			1	µg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6010B	Barium		44.5			1	µg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		39.6			1	µg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Barium		40.2			1	µg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Barium		38.9			0.222	µg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Barium		40.8			0.222	µg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6010B	Barium		41.7			1	µg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6010B	Barium		41.3			1	µg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		39			1	µg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Barium		41.1			1	µg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6010B	Boron		21.6			10	µg/L	J		185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6010B	Boron		22.6			10	µg/L	J		185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Boron		17.9			10	µg/L	J		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Boron	<	21.1			4.88	µg/L	J	U	121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Boron	<	16.5			4.88	µg/L	B	U	89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6010B	Boron		20.9			10	µg/L	J		185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6010B	Boron		19.1			10	µg/L	J		185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Boron		17.9			10	µg/L	J		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6020	Chromium		3.4			1	µg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6020	Chromium		3.5			1	µg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6020	Chromium	<	6.1			1	µg/L		U	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Chromium		3.3			1	µg/L	J		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Chromium		3.2			0.503	µg/L	J		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Chromium	<	2.5			0.503	µg/L	B	U	89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6020	Chromium		4.1			1	µg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6020	Chromium		3.2			1	µg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6020	Chromium	<	6.2			1	µg/L		U	172500	GU060900G4SW01	GELC

Analytical Results

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	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Chromium		2.9			1	µg/L	J		146889	GU05090G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Iron	<	18			18	µg/L	U		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Iron	<	18			18	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Iron	<	12.6			12.6	µg/L	U		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Iron	<	12.6			12.6	µg/L	U		89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6010B	Iron		60.5			18	µg/L	J		185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6010B	Iron		71.1			18	µg/L	J		185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Iron		33.5			18	µg/L	J		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Iron		57.8			18	µg/L	J		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6010B	Molybdenum		2.4			2	µg/L	J		185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Molybdenum		1.7			1.43	µg/L	J		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	1.43			1.43	µg/L	U		89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6020	Nickel		0.65			0.5	µg/L	J		185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6020	Nickel		0.67			0.5	µg/L	J		185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6020	Nickel		0.52			0.5	µg/L	J		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6020	Nickel		0.58			0.5	µg/L	J		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Nickel	<	0.69			0.69	µg/L	U		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Nickel	<	0.767			0.69	µg/L	B	U	89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6020	Nickel		0.78			0.5	µg/L	J		185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6020	Nickel		0.68			0.5	µg/L	J		185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6020	Nickel		0.55			0.5	µg/L	J		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6020	Nickel		0.72			0.5	µg/L	J		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6020	Silver		0.28			0.2	µg/L	J		185526	GF070400G4SW20	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6020	Silver	<	0.2			0.2	µg/L	U		172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6020	Silver	<	0.2			0.2	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Silver	<	0.835			0.835	µg/L	U		121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Silver	<	0.835			0.835	µg/L	U		89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6020	Silver	<	0.2			0.2	µg/L	U		172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6020	Silver	<	0.2			0.2	µg/L	U		146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6010B	Strontium		134			1	µg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6010B	Strontium		136			1	µg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		129			1	µg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Strontium		130			1	µg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Strontium		124			0.178	µg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Strontium		132			0.178	µg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium		128			1	µg/L			185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		127			1	µg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		129			1	µg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Strontium		130			1	µg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6020	Uranium		1.2			0.05	µg/L			185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6020	Uranium		0.96			0.05	µg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6020	Uranium		0.97			0.02	µg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6020	Uranium		1.05			0.02	µg/L			89802	GF03080G4SW01	GELC
Spring 4	10/06/03	WG	F	DUP		Metals	SW-846:6020	Uranium		1.05			0.02	µg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6020	Uranium		1.2			0.05	µg/L			185526	GU070400G4SW20	GELC

Analytical Results

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		Metals	SW-846:6020	Uranium		1.3			0.05	µg/L			185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		1.2			0.05	µg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium		10.4			1	µg/L		J+	185526	GF070400G4SW20	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		10.8			1	µg/L		J+	185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		8.8			1	µg/L			172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Vanadium		8.7			1	µg/L			146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		8.7			0.606	µg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Vanadium		9.76			0.606	µg/L			89802	GF03080G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium		10.5			1	µg/L		J+	185526	GU070400G4SW20	GELC
Spring 4	05/03/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		9.8			1	µg/L		J+	185526	GU070400G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		8.6			1	µg/L			172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Vanadium		8.8			1	µg/L			146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	F	CS		Metals	SW-846:6010B	Zinc		2.4			2	µg/L	J		185526	GF070400G4SW01	GELC
Spring 4	09/18/06	WG	F	CS		Metals	SW-846:6010B	Zinc	<	5.6			2	µg/L	J	U	172500	GF060900G4SW01	GELC
Spring 4	09/26/05	WG	F	CS		Metals	SW-846:6010B	Zinc	<	2			2	µg/L	U		146889	GF05090G4SW01	GELC
Spring 4	09/13/04	WG	F	CS		Metals	SW-846:6010B	Zinc		6.6			0.883	µg/L			121724	GF04090G4SW01	GELC
Spring 4	10/06/03	WG	F	CS		Metals	SW-846:6010B	Zinc	<	0.883			0.883	µg/L	U	UJ	89802	GF03080G4SW01	GELC
Spring 4	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Zinc	<	4.6			2	µg/L	J	U	172500	GU060900G4SW01	GELC
Spring 4	09/26/05	WG	UF	CS		Metals	SW-846:6010B	Zinc	<	2.3			2	µg/L	J	U	146889	GU05090G4SW01	GELC
Spring 4	05/03/07	WG	UF	CS	FD	Rad	LLEE	Tritium		8.46145	0.09579	0.28737		pCi/L			2337	UU070400G4SW20	UMTL
Spring 4	05/03/07	WG	UF	CS		Rad	LLEE	Tritium		7.40776	0.09579	0.28737		pCi/L			2337	UU070400G4SW01	UMTL
Spring 4	09/18/06	WG	UF	CS		Rad	LLEE	Tritium		8.33373	0.106433333	0.28737		pCi/L			2273	UU060900G4SW01	UMTL
Spring 4	09/26/05	WG	UF	CS		Rad	EPA:906.0	Tritium		92.7	26	259		pCi/L	U	U	146889	GU05090G4SW01	GELC
Spring 4	09/13/04	WG	UF	CS		Rad	EPA:906.0	Tritium		70.3	16.73333333	159		pCi/L	U	U	121725	GU04090G4SW01	GELC
Spring 4	09/13/04	WG	UF	CS		Rad	LLEE	Tritium		9.32356	0.15965		0.28737	pCi/L			1952	UU04090G4SW01	UMTL
Spring 4	10/06/03	WG	UF	CS		Rad	LLEE	Tritium		9.10005	0.106433333		0.28737	pCi/L			1805	UU03080G4SW01	UMTL
Spring 4	10/06/03	WG	UF	CS		Rad	EPA:906.0	Tritium		433	19.76666667	161		pCi/L		JN+	89802	GU03080G4SW01	GELC
Spring 4	10/06/03	WG	UF	DUP		Rad	LLEE	Tritium		9.41935	0.170293333		0.28737	pCi/L			1805	UU03080G4SW01	UMTL
Spring 4	10/06/03	WG	UF	RE		Rad	EPA:906.0	Tritium		-4.5	14.4	143		pCi/L	U	U	104174	GU03080G4SW01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		80.3			0.725	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		77.7			0.725	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		70.2			1.45	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		74.5			1.45	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	09/14/04	WG	F	DUP		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		76.6			1.45	mg/L			121197	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		88.6			1.45	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		78.2			0.725	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.128			0.066	mg/L	J		185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Bromide	<	0.041			0.041	mg/L	U		146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		21.8			0.036	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		19			0.036	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		18.9			0.036	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		18			0.00554	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.2			0.00554	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	SW-846:6010B	Calcium		20.2			0.00554	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21			0.036	mg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		19.2			0.036	mg/L			172500	GU060900GA4S01	GELC

Analytical Results

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	UF	CS		Geninorg	SW-846:6010B	Calcium		19.5			0.036	mg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.12			0.066	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.66			0.066	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.61			0.053	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.52			0.0322	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.58			0.0322	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	EPA:300.0	Chloride		4.6			0.0322	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		4.65			0.066	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.494			0.033	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.459			0.033	mg/L		U	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.473			0.03	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.456			0.0553	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.294			0.0553	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	EPA:300.0	Fluoride		0.316			0.0553	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.472			0.033	mg/L		U	172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		75.1			0.44	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		65.4			0.085	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		65			0.085	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		62.4			0.00554	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		69.5			0.00554	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		72.5			0.44	mg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		66			0.085	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Geninorg	SM:A2340B	Hardness		67			0.085	mg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		5.01			0.085	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.36			0.085	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.32			0.085	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.22			0.00518	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.65			0.00518	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	SW-846:6010B	Magnesium		4.65			0.00518	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.86			0.085	mg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.41			0.085	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.46			0.085	mg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.6			0.1	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.923			0.014	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.917			0.017	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.04			0.003	mg/L		J+	121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.88			0.01	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.994			0.014	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.527			0.05	µg/L		J-	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.457			0.05	µg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146887	GF05090GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.509			0.05	µg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.524			0.05	µg/L			121725	GU04090GA4S01	GELC
Spring 4A	09/14/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090GA4S01	GELC
Spring 4A	04/15/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		111062	GU04040GA4S01	GELC
Spring 4A	04/15/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.496				µg/L		J+	111062	GU04040GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.37			0.05	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.1			0.05	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.01			0.05	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.01			0.0165	mg/L			121724	GF04090GA4S01	GELC

Analytical Results

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	04/15/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.19			0.0165	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	SW-846:6010B	Potassium		2.19			0.0165	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.27			0.05	mg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.1			0.05	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.07			0.05	mg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		69			0.032	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		66.1			0.032	mg/L	E	J	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		68.6			0.032	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		64.3			0.0212	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		68.6			0.0212	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	SW-846:6010B	Silicon Dioxide		67.8			0.0212	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		67.5			0.032	mg/L	E	J	172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		69.6			0.032	mg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.4			0.045	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		11.9			0.045	mg/L	E	J	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.5			0.045	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		11.3			0.0144	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.1			0.0144	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	SW-846:6010B	Sodium		12.1			0.0144	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.2			0.045	mg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.1			0.045	mg/L	E	J	172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.4			0.045	mg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		206			1	µS/cm			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		200			1	µS/cm			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		160			1	µS/cm			146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		195			1	µS/cm			172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		6.38			0.1	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.43			0.1	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.62			0.057	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.37			0.193	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		5.1			0.193	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	EPA:300.0	Sulfate		5.12			0.193	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		5.45			0.1	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		185			2.38	mg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		167			2.38	mg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		169			2.38	mg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		180			2.38	mg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		171			3.07	mg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		158			3.07	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Geninorg	EPA:160.1	Total Dissolved Solids		159			3.07	mg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.736			0.33	mg/L	J		185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.453			0.33	mg/L	J		172311	GU060900GA4S02	GELC
Spring 4A	05/02/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.81			0.01	SU	H	J	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		8.05			0.01	SU	H	J	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.65			0.01	SU	H	J	146887	GF05090GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		8.11			0.01	SU	H	J	172500	GU060900GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6020	Arsenic		3.7			1.5	µg/L	J		185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Arsenic		2.6			2.24	µg/L	J		121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	2.24			2.24	µg/L	U		111062	GF04040GA4S01	GELC

Analytical Results

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	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Arsenic	<	2.24			2.24	µg/L	U		111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6020	Arsenic		3.6			1.5	µg/L	J		185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6010B	Barium		45.6			1	µg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		38.8			1	µg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6010B	Barium		38.6			1	µg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Barium		38.5			0.222	µg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Barium		42.4			0.222	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Barium		42.3			0.222	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Barium		44.6			1	µg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		38.3			1	µg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Barium		40			1	µg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6010B	Boron		23.7			10	µg/L	J		185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6010B	Boron		20.6			10	µg/L	J		146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Boron	<	24.6			4.88	µg/L	J	U	121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Boron		23.8			4.88	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Boron		22.8			4.88	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Boron		26.5			10	µg/L	J		185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Boron		22.1			10	µg/L	J		146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6020	Chromium		5.3			1	µg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6020	Chromium	<	7.1			1	µg/L		U	172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6010B	Chromium		4			1	µg/L	J		146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Chromium		4.4			0.503	µg/L	J		121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Chromium	<	4.57			0.503	µg/L		U	111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Chromium		5.01			0.503	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6020	Chromium		4.5			1	µg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6020	Chromium	<	6.9			1	µg/L		U	172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Chromium		4			1	µg/L	J		146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6020	Nickel		0.64			0.5	µg/L	J		185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6020	Nickel		0.7			0.5	µg/L	J		172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6020	Nickel	<	0.5			0.5	µg/L	U		146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Nickel	<	0.69			0.69	µg/L	U		121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Nickel	<	0.69			0.69	µg/L	U		111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Nickel	<	0.69			0.69	µg/L	U		111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6020	Nickel		0.65			0.5	µg/L	J		185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6020	Nickel	<	0.5			0.5	µg/L	U		172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6020	Nickel	<	0.5			0.5	µg/L	U		146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6010B	Strontium		103			1	µg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		94.7			1	µg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6010B	Strontium		95.9			1	µg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Strontium		92.2			0.178	µg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Strontium		102			0.178	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Strontium		102			0.178	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		101			1	µg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		95			1	µg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Strontium		98.1			1	µg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6020	Thallium		0.43			0.4	µg/L	J		185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		172500	GF060900GA4S01	GELC

Analytical Results

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		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.62			0.02	µg/L		U	121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.709			0.02	µg/L		U	111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6020	Thallium		0.263			0.02	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6020	Uranium		0.98			0.02	µg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6020	Uranium		1.11			0.02	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6020	Uranium		1.1			0.02	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Metals	SW-846:6020	Uranium		1.2			0.05	µg/L			185416	GU070400GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		1			0.05	µg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		6.6			1	µg/L		J+	185416	GF070400GA4S01	GELC
Spring 4A	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		6.9			1	µg/L			172500	GF060900GA4S01	GELC
Spring 4A	09/27/05	WG	F	CS		Metals	SW-846:6010B	Vanadium		7			1	µg/L			146887	GF05090GA4S01	GELC
Spring 4A	09/14/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		7.3			0.606	µg/L			121724	GF04090GA4S01	GELC
Spring 4A	04/15/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		7.76			0.606	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	04/15/04	WG	F	DUP		Metals	SW-846:6010B	Vanadium		8.59			0.606	µg/L			111062	GF04040GA4S01	GELC
Spring 4A	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		6.9			1	µg/L			172500	GU060900GA4S01	GELC
Spring 4A	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Vanadium		7.4			1	µg/L			146887	GU05090GA4S01	GELC
Spring 4A	05/02/07	WG	UF	CS		Rad	LLEE	Tritium		0.98983	0.09579	0.28737		pCi/L		J	2337	UU070400GA4S01	UMTL
Spring 4A	09/18/06	WG	UF	CS		Rad	LLEE	Tritium		0.51088	0.09579	0.28737		pCi/L		U	2273	UU060900GA4S01	UMTL
Spring 4A	09/27/05	WG	UF	CS		Rad	EPA:906.0	Tritium		63.1	19.7	197		pCi/L	U	U	146887	GU05090GA4S01	GELC
Spring 4A	09/14/04	WG	UF	CS		Rad	EPA:906.0	Tritium		-17.1	16.63333333	166		pCi/L	U	U	121725	GU04090GA4S01	GELC
Spring 4A	04/15/04	WG	UF	CS		Rad	EPA:906.0	Tritium		27.8	13.86666667	135		pCi/L	U	U	111062	GU04040GA4S01	GELC
Spring 4A	04/15/04	WG	UF	DUP		Rad	EPA:906.0	Tritium		27.9	13.96666667	135		pCi/L	U		111062	GU04040GA4S01	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		82.4			0.725	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		83.9			0.725	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		76.2			1.45	mg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		83.9			0.725	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		77.9			1.45	mg/L		J	121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.1			0.066	mg/L	J		185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.081			0.066	mg/L	J		172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.061			0.041	mg/L	J		146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide		0.075			0.066	mg/L	J		172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		22.4			0.036	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		20.9			0.036	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.2			0.036	mg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.3			0.036	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		21.8			0.00554	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.52			0.066	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.74			0.066	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		5.85			0.053	mg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		5.74			0.066	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Chloride		5.65			0.0322	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.492			0.033	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.507			0.033	mg/L		J+	172500	GF060900GAA401	GELC

Analytical Results

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	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.517			0.03	mg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride		0.499			0.033	mg/L		J+	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Fluoride		0.532			0.0553	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		78.8			0.44	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		73.1			0.085	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		74.8			0.44	mg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		74.7			0.085	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:200.7	Hardness		77.4			0.00554	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		5.55			0.085	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		5.08			0.085	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		5.29			0.085	mg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		5.23			0.085	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		5.57			0.00518	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.66			0.1	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.02			0.014	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.924			0.017	mg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.05			0.014	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.01			0.003	mg/L		J	121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.568			0.05	µg/L		J-	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172500	GF060900GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.545			0.05	µg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.563			0.05	µg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146887	GF05090GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.548			0.05	µg/L			121725	GU04090GAA401	GELC
Spring 4AA	03/05/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.497				µg/L			108593	GU04030GAA401	GELC
Spring 4AA	03/05/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		108593	GU04030GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.43			0.05	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.07			0.05	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.27			0.05	mg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.13			0.05	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.16			0.0165	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		68			0.032	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		65			0.032	mg/L	E	J	172500	GF060900GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		66.8			0.032	mg/L	E	J	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		64.4			0.106	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		13			0.045	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.3			0.045	mg/L	E	J	172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.2			0.045	mg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.8			0.045	mg/L	E	J	172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.5			0.0144	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		212			1	µS/cm			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		216			1	µS/cm			172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		186			1	µS/cm			146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		216			1	µS/cm			172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		6.71			0.1	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		6.82			0.1	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		7.05			0.057	mg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		6.82			0.1	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		6.76			0.193	mg/L			121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		18.2			1.14	mg/L			185416	GU070400GAA401	GELC

Analytical Results

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	09/18/06	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration	<	1.43			1.43	mg/L	U		172500	GU060900GAA401	GELC
Spring 4AA	09/27/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		1.07			1.02	mg/L	J		146887	GU05090GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		170			2.38	mg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		180			2.38	mg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		181			2.38	mg/L			172500	GU060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		189			2.38	mg/L			146887	GF05090GAA401	GELC
Spring 4AA	09/14/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		179			3.07	mg/L		J	121725	GU04090GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.384			0.33	mg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.618			0.33	mg/L	J		172311	GU060900GAA402	GELC
Spring 4AA	05/02/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.65			0.01	SU	H	J	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		7.39			0.01	SU	H	J	172500	GF060900GAA401	GELC
Spring 4AA	09/27/05	WG	F	CS		Geninorg	EPA:150.1	pH		6.93			0.01	SU	H	J	146887	GF05090GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		7.46			0.01	SU	H	J	172500	GU060900GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Aluminum	<	68			68	µg/L	U		172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Aluminum		72.8			68	µg/L	J		185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Aluminum	<	68			68	µg/L	U		172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6020	Arsenic		4.5			1.5	µg/L	J		185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6020	Arsenic		3.3			1.5	µg/L	J		185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Arsenic	<	6			6	µg/L	U		172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6010B	Barium		41.2			1	µg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		36.7			1	µg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Barium		40			1	µg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		37.4			1	µg/L			172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6010B	Boron		24.8			10	µg/L	J		185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Boron		24.3			10	µg/L	J		185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6020	Chromium		4.3			1	µg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6020	Chromium	<	6.5			1	µg/L		U	172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6020	Chromium		4			1	µg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6020	Chromium	<	6.6			1	µg/L		U	172500	GU060900GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Iron	<	18			18	µg/L	U		172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Iron		61.1			18	µg/L	J		185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Iron		39.6			18	µg/L	J		172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6020	Nickel		0.99			0.5	µg/L	J		185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6020	Nickel		0.8			0.5	µg/L	J		172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6020	Nickel		0.68			0.5	µg/L	J		185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6020	Nickel		0.59			0.5	µg/L	J		172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6010B	Strontium		106			1	µg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		99.7			1	µg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		102			1	µg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		101			1	µg/L			172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6020	Uranium		0.92			0.05	µg/L			185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		1			0.05	µg/L			172500	GF060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Metals	SW-846:6020	Uranium		0.81			0.05	µg/L			185416	GU070400GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		0.9			0.05	µg/L			172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		5.7			1	µg/L		J+	185416	GF070400GAA401	GELC
Spring 4AA	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		5.6			1	µg/L			172500	GF060900GAA401	GELC
Spring 4AA	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		5.6			1	µg/L			172500	GU060900GAA401	GELC
Spring 4AA	05/02/07	WG	UF	CS		Rad	LLEE	Tritium		2.20317	0.09579	0.28737		pCi/L			2337	UU070400GAA401	UMTL

Analytical Results

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	09/18/06	WG	UF	CS		Rad	LLEE	Tritium		2.61826	0.09579	0.28737		pCi/L			2273	UU060900GAA401	UMTL
Spring 4AA	01/28/02	WG	UF	CS		Rad	LLEE	Tritium		3.193	0.06386		0.28737	pCi/L			JB1575	MU02011GAA4	UMTL
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		1.12			0.725	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		1.2			0.725	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3	<	1.45			1.45	mg/L	U		146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3		0.989			0.725	mg/L	J		172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3	<	1.45			1.45	mg/L	U	UJ	121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		78.2			0.725	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		95.8			0.725	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		90.2			1.45	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		94.8			0.725	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		95.1			1.45	mg/L		J	121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.109			0.066	mg/L	J		185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.078			0.066	mg/L	J		172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.062			0.041	mg/L	J		146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide		0.077			0.066	mg/L	J		172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		26.8			0.036	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		25.4			0.036	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		27.3			0.036	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		26.5			0.036	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		27.6			0.00554	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		7.19			0.066	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		7.71			0.066	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		7.9			0.053	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		7.71			0.066	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		7.9			0.053	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		7.73			0.066	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Chloride		7.68			0.0322	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.459			0.033	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.472			0.033	mg/L		U	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.47			0.03	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.466			0.033	mg/L		U	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Fluoride		0.51			0.0553	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		90.1			0.44	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		85			0.085	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		92.3			0.44	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		89.1			0.085	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:200.7	Hardness		93.9			0.00554	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		5.6			0.085	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		5.21			0.085	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		5.87			0.085	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		5.59			0.085	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		6.05			0.00518	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		0.671			0.01	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.383			0.014	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.239			0.017	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.451			0.014	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.282			0.003	mg/L		J	121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.426			0.05	µg/L		J-	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.371			0.05	µg/L			172500	GF060900GB4S01	GELC

Analytical Results

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:314.0	Perchlorate	<	4			4	µg/L	U		172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146887	GF05090GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.321			0.05	µg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.295			0.05	µg/L			121725	GU04090GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090GB4S01	GELC
Spring 4B	03/05/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		108593	GU04030GB4S01	GELC
Spring 4B	03/05/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.445				µg/L		NJ	108593	GU04030GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.81			0.05	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.63			0.05	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.95			0.05	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.85			0.05	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.95			0.0165	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		55.2			0.032	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		54.4			0.032	mg/L	E	J	172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		59.4			0.032	mg/L	E	J	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		60.2			0.106	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		14.2			0.045	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		13.4			0.045	mg/L	E	J	172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.4			0.045	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		14.1			0.045	mg/L	E	J	172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.7			0.0144	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		245			1	uS/cm			185322	GF070400GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.7			0.0144	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		245			1	uS/cm			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		246			1	uS/cm			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		201			1	uS/cm			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		247			1	uS/cm			172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.64			0.1	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		8.87			0.1	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		8.65			0.057	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		8.87			0.1	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		7.77			0.193	mg/L			121725	GU04090GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		30			2.28	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		23.3			1.43	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/26/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		56.5			1.08	mg/L			146887	GU05090GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		190			2.38	mg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		176			2.38	mg/L			172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		181			2.38	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		186			2.38	mg/L			146887	GF05090GB4S01	GELC
Spring 4B	09/14/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		187			3.07	mg/L		J	121725	GU04090GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.024			0.01	mg/L	J	U	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.252			0.04	mg/L	J	J+	146887	GF05090GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.184			0.029	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.265			0.01	mg/L			172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.979			0.33	mg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		1.53			0.33	mg/L			172311	GU060900GB4S02	GELC
Spring 4B	05/01/07	WG	F	CS		Geninorg	EPA:150.1	pH		8.16			0.01	SU	H	J	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Geninorg	EPA:150.1	pH		8.13			0.01	SU	H	J	172500	GF060900GB4S01	GELC
Spring 4B	09/26/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.48			0.01	SU	H	J	146887	GF05090GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Geninorg	EPA:150.1	pH		8.23			0.01	SU	H	J	172500	GU060900GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Aluminum	<	68			68	µg/L	U		172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Aluminum		1280			68	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Aluminum		741			68	µg/L			172500	GU060900GB4S01	GELC

Analytical Results

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	05/01/07	WG	F	CS		Metals	SW-846:6010B	Barium		51.4			1	µg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Barium		45			1	µg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Barium		60.8			1	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Barium		51.3			1	µg/L			172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Boron		26.7			10	µg/L	J		185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Boron		22.7			10	µg/L	J		185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Boron	<	10			10	µg/L	U	UJ	172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6020	Chromium		3.1			1	µg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6020	Chromium	<	4.3			1	µg/L		U	172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6020	Chromium		4.6			1	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6020	Chromium	<	5.8			1	µg/L		U	172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Cobalt		5.3			1	µg/L		J+	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Cobalt	<	1			1	µg/L	U		172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Cobalt	<	1			1	µg/L	U		172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Iron		138			18	µg/L		J+	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Iron		38.7			18	µg/L	J		172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Iron		1150			18	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Iron		650			18	µg/L			172500	GU060900GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6020	Lead	<	0.5			0.5	µg/L	U		172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6020	Lead		0.59			0.5	µg/L	J		185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6020	Lead	<	0.5			0.5	µg/L	U		172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Manganese		12.8			2	µg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Manganese	<	2			2	µg/L	U		172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Manganese		14.7			2	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Manganese		12			2	µg/L		J+	172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6020	Nickel		1.7			0.5	µg/L	J		185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6020	Nickel		0.7			0.5	µg/L	J		172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6020	Nickel		1.4			0.5	µg/L	J		185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6020	Nickel		1.1			0.5	µg/L	J		172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Strontium		162			1	µg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Strontium		155			1	µg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		167			1	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		160			1	µg/L			172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6020	Thallium		0.47			0.4	µg/L	J		185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		172500	GF060900GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6020	Thallium	<	0.4			0.4	µg/L	U		172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6020	Uranium		1.5			0.05	µg/L			185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6020	Uranium		1.1			0.05	µg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6020	Uranium		1.8			0.05	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6020	Uranium		1.3			0.05	µg/L			172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		10.2			1	µg/L		J+	185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		7.2			1	µg/L			172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		12.3			1	µg/L			185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		8.3			1	µg/L			172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	F	CS		Metals	SW-846:6010B	Zinc		4.2			2	µg/L	J		185322	GF070400GB4S01	GELC
Spring 4B	09/18/06	WG	F	CS		Metals	SW-846:6010B	Zinc	<	5			2	µg/L	J	U	172500	GF060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Zinc		3.4			2	µg/L	J		185322	GU070400GB4S01	GELC
Spring 4B	09/18/06	WG	UF	CS		Metals	SW-846:6010B	Zinc	<	6			2	µg/L	J	U	172500	GU060900GB4S01	GELC
Spring 4B	05/01/07	WG	UF	CS		Rad	LLEE	Tritium		31.6107	0.3193	0.28737		pCi/L			2336	UU070400GB4S01	UMTL
Spring 4B	09/18/06	WG	UF	CS		Rad	LLEE	Tritium		31.2914	0.3193	0.28737		pCi/L			2273	UU060900GB4S01	UMTL

Analytical Results

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	01/28/02	WG	UF	CS		Rad	LLEE	Tritium		45.05323	0.340586667		0.28737	pCi/L			JB1575	MU02011GB4S	UMTL
Spring 4B	01/28/02	WG	UF	RE		Rad	LLEE	Tritium		44.92551	0.329943333		0.28737	pCi/L			JB1575	MU02011GB4S	UMTL
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		80.3			0.725	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		76.7			0.725	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		70.2			1.45	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		76.7			0.725	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		78.9			1.45	mg/L		J	121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.185			0.066	mg/L	J		185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Bromide		0.084			0.041	mg/L	J		146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Bromide	<	0.066			0.066	mg/L	U		172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		23.1			0.036	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		21.9			0.036	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		23.1			0.036	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		22.4			0.036	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		22.2			0.00554	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.34			0.066	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.42			0.066	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		6.48			0.053	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		6.4			0.066	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Chloride		6.37			0.0322	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.487			0.033	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.465			0.033	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.485			0.03	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride		0.469			0.033	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Fluoride		0.491			0.0553	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		76.8			0.44	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		72.6			0.085	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		76.9			0.44	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SM:A2340B	Hardness		74.6			0.085	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:200.7	Hardness		74.5			0.00554	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.66			0.085	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.38			0.085	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.67			0.085	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.52			0.085	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.6			0.00518	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		1.32			0.01	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.36			0.014	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.32			0.017	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.43			0.014	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		1.62			0.003	mg/L		J	121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.702			0.05	µg/L		J-	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172551	GF060900GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.606			0.05	µg/L			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146887	GF05090GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.643			0.05	µg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.622			0.05	µg/L			121725	GU04090GC4S01	GELC
Spring 4C	03/05/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		108593	GU04030GC4S01	GELC
Spring 4C	03/05/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.646				µg/L			108593	GU04030GC4S01	GELC

Analytical Results

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			0.05	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.54			0.05	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.94			0.05	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.6			0.05	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.71			0.0165	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		55.4			0.032	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		53.2			0.032	mg/L		J-	172551	GF060900GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		54.3			0.032	mg/L		J-	172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		54.8			0.106	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		14.1			0.045	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.9			0.045	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		14			0.045	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.1			0.045	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		13.3			0.0144	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		222			1	µS/cm			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		222			1	µS/cm			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		179			1	µS/cm			146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		220			1	µS/cm			172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.3			0.1	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.36			0.1	mg/L			172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		9.61			0.057	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		9.48			0.1	mg/L			172551	GU060900GC4S01	GELC
Spring 4C	09/14/04	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		9.31			0.193	mg/L			121725	GU04090GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		95.4			1.14	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration	<	2.28			2.28	mg/L	UH	UJ	172551	GU060900GC4S01	GELC
Spring 4C	09/27/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		1.48			1.06	mg/L	J		146887	GU05090GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		172			2.38	mg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		181			2.38	mg/L	H	J	172551	GU060900GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		179			2.38	mg/L	H	J	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		174			2.38	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	09/14/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		169			3.07	mg/L		J	121725	GU04090GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.01			0.01	mg/L	U	UJ	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.496			0.04	mg/L			146887	GF05090GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen		0.136			0.029	mg/L		JN-	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.012			0.01	mg/L	J	U, JN-	172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.528			0.33	mg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon	<	0.647			0.33	mg/L	J	U	172311	GU060900GC4S02	GELC
Spring 4C	05/01/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.81			0.01	SU	H	J	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Geninorg	EPA:150.1	pH		7.89			0.01	SU	H	J	172551	GF060900GC4S01	GELC
Spring 4C	09/27/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.19			0.01	SU	H	J	146887	GF05090GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Geninorg	EPA:150.1	pH		7.98			0.01	SU	H	J	172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6010B	Barium		45.3			1	µg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6010B	Barium		39.9			1	µg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Barium		45.3			1	µg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Barium		41.7			1	µg/L			172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6010B	Boron		20.5			10	µg/L	J		185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6010B	Boron		19.4			10	µg/L	J		172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Boron		22.1			10	µg/L	J		185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Boron		19.2			10	µg/L	J		172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6020	Chromium		4.4			1	µg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6020	Chromium	<	5.2			1	µg/L		U	172551	GF060900GC4S01	GELC

Analytical Results

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-846:6020	Chromium		4.6			1	µg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6020	Chromium	<	4.6			1	µg/L		U	172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6020	Nickel		0.54			0.5	µg/L	J		185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6020	Nickel		1.7			0.5	µg/L	J		172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Metals	SW-846:6020	Nickel		0.56			0.5	µg/L	J		185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6020	Nickel	<	0.5			0.5	µg/L	U		172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6010B	Strontium		131			1	µg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6010B	Strontium		121			1	µg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		131			1	µg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		124			1	µg/L			172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6020	Uranium		1.3			0.05	µg/L			185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6020	Uranium		1.7			0.05	µg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Metals	SW-846:6020	Uranium		1.2			0.05	µg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6020	Uranium		1.6			0.05	µg/L			172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		9.7			1	µg/L		J+	185322	GF070400GC4S01	GELC
Spring 4C	09/19/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		8.6			1	µg/L			172551	GF060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		10			1	µg/L		J+	185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		9			1	µg/L			172551	GU060900GC4S01	GELC
Spring 4C	05/01/07	WG	UF	CS		Rad	LLEE	Tritium		9.38742	0.106433333	0.28737		pCi/L			2336	UU070400GC4S01	UMTL
Spring 4C	09/19/06	WG	UF	CS		Rad	LLEE	Tritium		8.78075	0.09579	0.28737		pCi/L			2273	UU060900GC4S01	UMTL
Spring 4C	01/28/02	WG	UF	CS		Rad	LLEE	Tritium		11.30322	0.170293333		0.28737	pCi/L			JB1575	MU02011GC4S	UMTL
Spring 4C	05/01/07	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]		7.95			1.25	µg/L			185322	GU070400GC4S01	GELC
Spring 4C	09/19/06	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5			1.25	µg/L	U		172311	GU060900GC4S02	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		74			0.725	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		77.2			0.725	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		71.2			1.45	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		117			1.45	mg/L			121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:310.1	Alkalinity-CO_3+HCO_3		78.2			0.725	mg/L			172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Calcium		18.9			0.036	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Calcium		18.4			0.036	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Calcium		17.4			0.036	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Calcium		17.3			0.00554	mg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		18.2			0.036	mg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		18.3			0.036	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Calcium		17.5			0.036	mg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Chloride		3.96			0.066	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.1			0.066	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.06			0.053	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:300.0	Chloride		4.05			0.0322	mg/L			121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Chloride		4.11			0.066	mg/L			172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.41			0.033	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Fluoride	<	0.424			0.033	mg/L		U	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.421			0.03	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:300.0	Fluoride		0.43			0.0553	mg/L			121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Fluoride	<	0.423			0.033	mg/L		U	172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SM:A2340B	Hardness		67.5			0.44	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SM:A2340B	Hardness		65.2			0.085	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SM:A2340B	Hardness		61.9			0.085	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:200.7	Hardness		62.5			0.00554	mg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	SM:A2340B	Hardness		65.4			0.44	mg/L			185322	GU070400G5SW01	GELC

Analytical Results

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	UF	CS		Geninorg	SM:A2340B	Hardness		64.9			0.085	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	SM:A2340B	Hardness		62.2			0.085	mg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.96			0.085	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.69			0.085	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.49			0.085	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Magnesium		4.66			0.00518	mg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.82			0.085	mg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.64			0.085	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Magnesium		4.51			0.085	mg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:353.2	Nitrate-Nitrite as N		0.726			0.01	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.664			0.014	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.634			0.017	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.757			0.003	mg/L		J+	121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:353.1	Nitrate-Nitrite as N		0.66			0.014	mg/L			172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SW-846:6850	Perchlorate		0.415			0.05	µg/L		J-	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.392			0.05	µg/L			172411	GF060900G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SW846 6850	Perchlorate		0.405			0.05	µg/L			146889	GF05090G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	UF	CS		Geninorg	SW846 6850	Perchlorate		0.423			0.05	µg/L			121725	GU04090G5SW01	GELC
Spring 5	09/14/04	WG	UF	CS		Geninorg	EPA:314.0	Perchlorate	<	4			4	µg/L	U		121725	GU04090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Potassium		2.13			0.05	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.89			0.05	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.83			0.05	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Potassium		1.87			0.0165	mg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		2.09			0.05	mg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.92			0.05	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Potassium		1.82			0.05	mg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		68.8			0.032	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		67			0.032	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		64.3			0.032	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Silicon Dioxide		65.1			0.0212	mg/L			121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		66.1			0.032	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Silicon Dioxide		66.4			0.032	mg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.8			0.045	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	SW-846:6010B	Sodium		12.1			0.045	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	SW-846:6010B	Sodium		11.9			0.045	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	SW-846:6010B	Sodium		11.6			0.0144	mg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.2			0.045	mg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.2			0.045	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	SW-846:6010B	Sodium		12.2			0.045	mg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		188			1	µS/cm			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		188			1	µS/cm			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:120.1	Specific Conductance		163			1	µS/cm			146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:120.1	Specific Conductance		187			1	µS/cm			172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.73			0.1	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.73			0.1	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.92			0.057	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:300.0	Sulfate		4.82			0.193	mg/L			121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:300.0	Sulfate		4.72			0.1	mg/L			172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		11.4			1.14	mg/L			185322	GU070400G5SW01	GELC

Analytical Results

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	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration		1.75			1.43	mg/L	J		172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Geninorg	EPA:160.2	Suspended Sediment Concentration	<	1.07			1.07	mg/L	U		146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		177			2.38	mg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		168			2.38	mg/L			172411	GU060900G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		173			2.38	mg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		196			2.38	mg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Geninorg	EPA:160.1	Total Dissolved Solids		153			3.07	mg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.433			0.33	mg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	SW-846:9060	Total Organic Carbon		0.892			0.33	mg/L	J		172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Geninorg	EPA:150.1	pH		7.87			0.01	SU	H	J	185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Geninorg	EPA:150.1	pH		7.66			0.01	SU	H	J	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Geninorg	EPA:150.1	pH		7.67			0.01	SU	H	J	146889	GF05090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Geninorg	EPA:150.1	pH		7.69			0.01	SU	H	J	172411	GU060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6010B	Barium		28.8			1	µg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6010B	Barium		28.1			1	µg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6010B	Barium		26.1			1	µg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6010B	Barium		26.5			0.222	µg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Barium		27.8			1	µg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Barium		29.1			1	µg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Barium		26.3			1	µg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6010B	Boron		20.7			10	µg/L	J		185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6010B	Boron		20.3			10	µg/L	J		172411	GF060900G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6010B	Boron		20.7			10	µg/L	J		185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6010B	Boron		20.3			10	µg/L	J		172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6010B	Boron		18.8			10	µg/L	J		146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6010B	Boron	<	26.3			4.88	µg/L	J	U	121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Boron		20.8			10	µg/L	J		185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Boron		23.2			10	µg/L	J		172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Boron		17.7			10	µg/L	J		146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6020	Chromium		5			1	µg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6020	Chromium		2			1	µg/L	J	JN-	172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6010B	Chromium		3.8			1	µg/L	J		146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6010B	Chromium		4.4			0.503	µg/L	J		121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Metals	SW-846:6020	Chromium		4.9			1	µg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6020	Chromium		2.3			1	µg/L	J	JN-	172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Chromium		3.9			1	µg/L	J		146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6010B	Molybdenum		2			2	µg/L	J		185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6010B	Molybdenum		2.2			1.43	µg/L	J		121724	GF04090G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Molybdenum	<	2			2	µg/L	U		146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6010B	Strontium		91.7			1	µg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6010B	Strontium		90.5			1	µg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6010B	Strontium		85.6			1	µg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6010B	Strontium		86.7			0.178	µg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Strontium		88.1			1	µg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Strontium		89.4			1	µg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Strontium		86.8			1	µg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6020	Uranium		0.67			0.05	µg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6020	Uranium		0.53			0.05	µg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6020	Uranium		0.52			0.05	µg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6020	Uranium		0.54			0.02	µg/L			121724	GF04090G5SW01	GELC

Analytical Results

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	UF	CS		Metals	SW-846:6020	Uranium		0.66			0.05	µg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6020	Uranium		0.57			0.05	µg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6020	Uranium		0.55			0.05	µg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	F	CS		Metals	SW-846:6010B	Vanadium		10.9			1	µg/L			185322	GF070400G5SW01	GELC
Spring 5	09/19/06	WG	F	CS		Metals	SW-846:6010B	Vanadium		8.8			1	µg/L			172411	GF060900G5SW01	GELC
Spring 5	09/27/05	WG	F	CS		Metals	SW-846:6010B	Vanadium		9.5			1	µg/L			146889	GF05090G5SW01	GELC
Spring 5	09/14/04	WG	F	CS		Metals	SW-846:6010B	Vanadium		9.8			0.606	µg/L			121724	GF04090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Metals	SW-846:6010B	Vanadium		10.4			1	µg/L		J+	185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		Metals	SW-846:6010B	Vanadium		9.2			1	µg/L			172411	GU060900G5SW01	GELC
Spring 5	09/27/05	WG	UF	CS		Metals	SW-846:6010B	Vanadium		9.4			1	µg/L			146889	GU05090G5SW01	GELC
Spring 5	05/01/07	WG	UF	CS		Rad	LLEE	Tritium		0.19158	0.09579	0.28737		pCi/L		U	2336	UU070400G5SW01	UMTL
Spring 5	09/19/06	WG	UF	CS		Rad	LLEE	Tritium		0.12772	0.09579	0.28737		pCi/L		U	2273	UU060900G5SW01	UMTL
Spring 5	09/27/05	WG	UF	CS		Rad	EPA:906.0	Tritium		0	24.63333333	253		pCi/L	U	U	146889	GU05090G5SW01	GELC
Spring 5	09/14/04	WG	UF	CS		Rad	EPA:906.0	Tritium		-7.3	17.23333333	171		pCi/L	U	U	121725	GU04090G5SW01	GELC
Spring 5	09/14/04	WG	UF	CS		Rad	LLEE	Tritium		0.22351	0.09579		0.28737	pCi/L		U	1952	UU04090G5SW01	UMTL
Spring 5	05/01/07	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]		6.08			1.25	µg/L			185322	GU070400G5SW01	GELC
Spring 5	09/19/06	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5			1.25	µg/L	U		172411	GU060900G5SW01	GELC
Spring 5	10/07/03	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		89802	GU03080G5SW01	GELC
Spring 5	09/25/01	WG	UF	CS		VOA	SW-846:8260B	Butanone[2-]	<	5				µg/L	U		49694	GU01091G5SW	GELC

Appendix E

Screening Results

The following pages provide (1) definitions for other codes, (2) lab qualifier codes, (3) secondary validation flag codes, and (4) secondary validation reason codes. Please 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	Lab 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 anlayte 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 critera as explained in the case narrative.
ABJ	A (Organic) The Tenatively 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 tentitively idenififed compound (TIC).
AJ	A (Organic) The Tenatively Identified Compound is an aldol condensate. (J) (Organic) - The reported analyte is a tentitively idenififed 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 anlayte 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 critera 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 anlayte 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 critera 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 anlayte 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 critera 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	Lab 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 anlayte 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 critera as explained in the case narrative. (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 anlayte 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 critera as explained in the case narrative. (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 Quantitaion 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 tentitively idenififed compound (TIC). (N) (Organic) - The reported analyte is a tentitively idenififed 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 Quantitaion 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 tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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	Lab 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 tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte in the matrix spike sample was outside acceptance criteria. (E) (Organic) - The result for this anlayte 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 critera 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 post-digestion spike sample was outside acceptance criterea.
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 Quantitaion 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	Lab Qualifier Description
E	(E) (Organic) - The result for this anlayte 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 critera as explained in the case narrative.
E*	(E) (Organic) - The result for this anlayte 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 critera 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 anlayte 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 critera 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 Quantitaion Limit (PQL).
EJ*	(E) (Organic) - The result for this anlayte 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 critera 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 Quantitaion Limit (PQL). * (Inorganic) - The result for this analyte in the Laboratory Replicate analysis was outside acceptance criteria.
EJN	(E) (Organic) - The result for this anlayte 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 critera 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 Quantitaion Limit (PQL). (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte in the matrix spike sample was outside acceptance criteria.
EN	(E) (Organic) - The result for this anlayte 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 critera as explained in the case narrative. (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte in the matrix spike sample was outside acceptance criteria.
EN*	(E) (Organic) - The result for this anlayte 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 critera as explained in the case narrative. (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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	Lab 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 Quantitaion 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 Quantitaion 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 Quantitaion 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 Quantitaion 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 Quantitaion Limit (PQL). (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 Quantitaion Limit (PQL). (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 Quantitaion 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 Quantitaion 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 Quantitaion Limit (PQL). (X) (Organic/Inorganic) - The result for this analyte should be regarded as not detected.

Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Lab 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 interferance.
N	(N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte in the matrix spike sample was outside acceptance criteria.
N*	(N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 Quantitaion 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 spectrocopy result should be regarded as an uncertain idenification due to spectral interferance.
SQ	(SQ) (Rad) - Gamma spectrocopy result should be regarded as an uncertain idenification due to spectral interferance.
TI	(TI) (Rad) - Gamma spectrocopy result should be regarded as an uncertain idenification due to spectral interferance.
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 anlayte 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 critera as explained in the case narrative.

Laboratory Qualifier Codes (continued)

Lab Qualifier Code	Lab 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 anlayte 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 critera as explained in the case narrative. (N) (Organic) - The reported analyte is a tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 spectrocopy result should be regarded as an uncertain idenification.
UJ	(UJ) (Organic) Legacy CST lab code should not be used.
UL	UL (all suites) Not detected legacy - This lab qual 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 tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 tentitively idenififed compound (TIC). (N) (Inorganic) - The result for this anlayte 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 spectrocopy result should be regarded as an uncertain idenification 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 post-digestion spike sample was outside acceptance criterea.
UY2	(UY2) (Rad) - Result should be regarded as an uncertain idenification due to spectral interferance.
W	(W) (Inorganic GFAA CLP) - The result for this analyte in the post-digestion spike sample was outside acceptance criterea.
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 A
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 an estimated quantity with a suspected positive bias.
JN-	Presumptive evidence of the presence of the material at an 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 judgement 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 non-compliances 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 three 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 non-detects, therefore not detected (U).

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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
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 regarded as rejected because the 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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 recoverywas less than 30% but greater than 10% and the result is a non-detect.
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
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 non-detect.
GR4	GAMMA_GR4
GR4a	The resluts 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 non-detect.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 as rejected because the RER was greater than 4
GR8	GAMMA_GR8
GR9	GAMMA_GR9
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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
G_TPU	Result less than or equal to 3 * 1-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
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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
H4	The sample result is greater than the EQL and less than five 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 five times the concentration of the analyte in the method blank, which indicates the reported detection is considered indistinguishable from contamination in the blank.
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 cuvre 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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
HERB4	ORGANIC_HERB4
HERB8	ORGANIC_HERB8
HERB9	ORGANIC_HERB9
HHOLD	The result should regarded as rejected (R) because the holding time was exceeded by more than 2 times.
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 non-certified 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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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.
HWQ5	Non-specified 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 which 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 wates 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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
I14	I14
I14a	Insufficient sample volume was received for a matrix-spike analysis.
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 corralation 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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
I3c	INORGANIC_I3c
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
I3l	INORGANIC_I3l
I4	INORGANIC_I4
I4a	In comparison with the preparation blank, the sample result is greater than the EDL but less than or equal to five times the concentration of the related analyte in the blank.
I4b	Preparation blank data was 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 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 non-detects, 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
IPM	INORGANIC_IPM

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 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
IWQ3	Failed serial dilution RPD
IWQ4	Sample should have been preserved by acidification, but was not. Error not corrected at laboratory.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
IWQ5	Sample should not have been acidified, but was. Error could not be corrected at laboratory.
IWQ6	Non-specified 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 the PQL but greater than the MDL
LB	Gross contamination exists from a source other than the standard.
LB1	Method-blank data is missing, or method blank was not analyzed at the required frequency.
LB2	ICB/CCB data is missing, or ICB/CCB was not run at the required frequency.
LB9	The sample result is less than five 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 carry over. Compound detected in sample at value < 5X PQL. The previous sample had a value > high standard and required dilution.
LDL1	No CRI was analysed 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 non-detect.
LDS3	The sample result in a diluted sample was non-detect.
LDS4	The instrument response for a diluted sample result was < half the lowest calibration standard and the sample result is detect.
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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 Ical.
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 > 30secs 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.
LOW S	VOC_LOW STD
LOWST	VOC_LOWSTD
LP1	The sample was improperly preserved.
LP3	Sample not maintained at required temperature

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 precison for the sample ie. 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	Non-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 qualifiy the analyte as not detected and/or any other standard qualifire. 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 inconsistent.
O12d	ORGANIC_OSV12d
O5XBL	ORGANIC_O5XBLANK
ODRO1	ORGANIC_ODRO12a
ODRO3	ORGANIC_ODRO3
ODRO4	ORGANIC_ODRO4

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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
OP3c	ORGANIC_OP3c
OP3d	ORGANIC_OP3d
OP4	ORGANIC_OP4
OP5	ORGANIC_OP5
OP6	ORGANIC_OP6
OP7	ORGANIC_OP7

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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
OV3b	ORGANIC_OV3b
OV3c	ORGANIC_OV3c
OV4	INORGANIC_OV4
OV7	ORGANIC_OV7
OV7a	ORGANIC_OV7a
OV9	ORGANIC_OV9

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 fthe 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).
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.T

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
P23B	P23B
P3	The surrogate %R value is greater than the UAL, which indicates the a 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 than10 % 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 acceptale 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 acceptale for use.T
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.
P77	The affected analytes are consdered estimated because the associated continuing calibration standard was not analyzed within 72 hours of the initial analysis. This is for multi-component analytes.
P7a	The multicomponent analyte standard was not analyzed within 72 hrs 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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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
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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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	Non-specified 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
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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 recoverywas less than 30% but greater than 10% and the result is a non-detect.
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.
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 non-detect.
R4	The sample result is greater than the MDA but less than 5 times the amount found in the blank.
R4a	The resluts 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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 non-detect.
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 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 hloding time was exceeded.
R96	RAD_R96
R9a	The results for the affecteed anaytes should be regarded as rejected because the holding time was exceeded by 2x 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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 historic RAD data.
RNQ	R_NQ
RPA	RAD_RPA
RQCBL	RQCBL_RAD
RQCMX	R_Samp_QC_Mixed
RRLAB	R Lab RAD
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 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	Non-specified quality control failure - see validation report

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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
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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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 quantitiating 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
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 porential 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 contaminates).
SV4b	Required method blank information is missing. Data may not be acceptable for use.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
SV5	The sample result is less than the EQL and less than or eqaul 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 cuvre 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.
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 2x 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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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
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	Non-specified 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%-+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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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.
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 a nd/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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
V3c	The surrogate is less than LAL and the result is a non-detect, 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 times 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.
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 contaminates).
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 cuvre and/or a standard at the reporting limit.
V76	VOC_V76
V78	VOC_V78
V7a	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.
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.

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
VI1	VOC_VI1
VI4	VOC_VI4
VI45	VOC_VI45
VIA	VOC_VIA
VIC	VOC_VIC
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

Secondary Validation Reason Codes (continued)

Valid Reason Code	Valid Reason Description
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.
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	Non-specified 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 Metals

Zone	Location	Date	Analyte	Field Preparation Code	Field QC Type Code	Symbol	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA PRIM DW STD	Ratio (Result/Scr Level)
Regional Spring	Spring 2	05/07/07	As	F	—*	—	9.7	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.97
Regional Spring	Spring 2	05/07/07	As	UF	—	—	11.6	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	1.16
Regional Spring	Spring 4	05/03/07	As	F	FD	—	5	1.5	µg/L	GELC	J	—	—	SW-846:6020	10	0.5
Regional Spring	Spring 4	05/03/07	As	F	—	—	5.5	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.55
Regional Spring	Spring 4	05/03/07	As	UF	FD	—	6.9	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.69
Regional Spring	Spring 4	05/03/07	As	UF	—	—	5.5	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.55

* — = No data.

Table E-2
Groundwater Organics

Zone	Location	Date	Field QC Type Code	Field Preparation 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 TAP SCRN LVL N	Ratio (Result/Scr Level)
Regional Spring	Spring 2	05/07/07	—*	UF	VOA	Butanone[2-]	—	2.32	1.25	µg/L	1	J	—	—	SW-846:8260B	GELC	7.06E+03	0
Regional Spring	Spring 3	04/30/07	—	UF	VOA	Butanone[2-]	—	3.29	1.25	µg/L	1	J	—	—	SW-846:8260B	GELC	7.06E+03	0
Regional Spring	Spring 4C	05/01/07	—	UF	VOA	Butanone[2-]	—	7.95	1.25	µg/L	1	—	—	—	SW-846:8260B	GELC	7.06E+03	0
Regional Spring	Spring 5	05/01/07	—	UF	VOA	Butanone[2-]	—	6.08	1.25	µg/L	1	—	—	—	SW-846:8260B	GELC	7.06E+03	0

* — = No data.

Table E-3
Groundwater Perchlorate

Zone	Location	Date	Field QC Type Code	Field Preparation 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	Spring 2	05/07/07	—	F	SW-846:6850	—	0.163	0.05	µg/L	1	J	—	—	GELC
Regional Spring	Spring 3	04/30/07	—	F	SW-846:6850	—	0.458	0.05	µg/L	1	—	—	—	GELC
Regional Spring	Spring 3A	04/30/07	—	F	SW-846:6850	—	0.437	0.05	µg/L	1	—	—	—	GELC
Regional Spring	Spring 4	05/03/07	—	F	SW-846:6850	—	0.638	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Spring 4	05/03/07	FD	F	SW-846:6850	—	0.622	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Spring 4C	05/01/07	—	F	SW-846:6850	—	0.702	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Spring 4B	05/01/07	—	F	SW-846:6850	—	0.426	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Spring 4AA	05/02/07	—	F	SW-846:6850	—	0.568	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Spring 4A	05/02/07	—	F	SW-846:6850	—	0.527	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Spring 5	05/01/07	—	F	SW-846:6850	—	0.415	0.05	µg/L	1	—	J-	LMS3	GELC
Regional Spring	Ancho Spring	05/02/07	—	F	SW-846:6850	—	0.364	0.05	µg/L	1	—	J-	LMS3	GELC

* — = No data.

Table E-4
Groundwater Tritium

Zone	Location	Date	Field Preparation Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional Spring	Spring 3	04/30/07	UF	—	—	1.40	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	—	—
Regional Spring	Spring 3A	04/30/07	UF	—	—	0.57	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	U	R5
Regional Spring	Spring 4	05/03/07	UF	FD	—	8.46	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	—	—
Regional Spring	Spring 4	05/03/07	UF	—	—	7.41	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	—	—
Regional Spring	Spring 4C	05/01/07	UF	—	—	9.39	0.32	0.28737	pCi/L	Generic:LLEE	UMTL	—	—	—
Regional Spring	Spring 4B	05/01/07	UF	—	—	31.61	0.96	0.28737	pCi/L	Generic:LLEE	UMTL	—	—	—
Regional Spring	Spring 4AA	05/02/07	UF	—	—	2.20	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	—	—
Regional Spring	Spring 4A	05/02/07	UF	—	—	0.99	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	J	RWQ2
Regional Spring	Spring 5	05/01/07	UF	—	—	0.19	0.29	0.28737	pCi/L	Generic:LLEE	UMTL	—	U	R5

* — = No data.

Appendix F

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 (LANL or the Laboratory) 2006 "Interim Facility-Wide Groundwater Monitoring Plan" (IFGMP) (LANL 2006, 094043). IDW is waste generated as a result of field investigation activities and may include, but is not limited to, contaminated personal protective equipment (PPE), sampling supplies and plastic, fluids from the decontamination of PPE and sampling equipment, and all other wastes potentially contacting contaminants. IDW 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.

F.2-0 STANDARD OPERATING PROCEDURES

All IDW generated during this periodic monitoring event (PME) is being (or has been) managed in accordance with applicable Environmental Programs–Environment and Remediation Support Services (EP-ERSS) 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 (LIRs).

SOPs applicable to the characterization and management of IDW are

- SOP-5022, Revision 2, Management of Environmental Restoration Project Waste and
- SOP-5023, Revision 2, Waste Characterization.

These SOPs are applicable to implementation of the IFGMP and may be found at the following URL: http://erproject.lanl.gov/documents/procedures/sops.html.

The Laboratory's 2006 Los Alamos National Laboratory Hazardous Waste Minimization Report (LANL 2006, 096015) will be implemented during groundwater monitoring to minimize waste generation. This document is updated annually as a requirement of Module VIII of the Laboratory's Hazardous Waste Facility Permit.

One particular document is being implemented during the management of groundwater monitoring IDW:

- White Rock Watershed Groundwater Monitoring Waste Characterization Strategy Form (WCSF), included in the "Periodic Monitoring Report for White Rock Watershed September 11–22, 2006" (LANL 2007, 097342).

F.3-0 IDW STREAMS

The IDW streams associated with groundwater monitoring are identified in Table F-1 and are briefly described below. Table F-1 summarizes the waste type, 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.

Spent PPE

The spent PPE waste stream consists of PPE that "contacted" potentially contaminated environmental media (i.e., purge water) and that cannot be decontaminated. The bulk of this waste stream consists of gloves. Spent PPE has been collected together with spent disposable sampling supplies from the same sampling location in containers such as zip-lock baggies and then accumulated in 55-gal. drums at monitoring sites or at a consolidated accumulation area. Characterization of this waste stream is being performed through acceptable knowledge (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). At present, the spent PPE that has been in contact with nonhazardous, nonradioactive groundwater has been disposed of at a New Mexico solid waste landfill using waste profile form (WPF) 39268, a copy of which was included in Appendix F of the previous periodic monitoring report (PMR) (LANL 2007, 097342). The remaining spent PPE is being managed conservatively and staged in satellite accumulation areas or less-than-90-d areas at each sampling location or at a consolidated accumulation area, pending data review, hazardous waste determinations, and WPF approval.

The Laboratory expects most of these remaining wastes will be designated as nonhazardous waste that will be disposed of at a New Mexico solid waste landfill. If groundwater contains elevated radioactivity, the contact wastes may be designated as low-level radioactive waste and disposed of at Technical Area (TA) 54, Area G. If the Laboratory's Green is Clean program verifies that spent PPE is nonradioactive, the PPE will be disposed at a New Mexico solid waste landfill. If the purge water is determined to be hazardous, the associated PPE wastes will be treated or disposed of at a permitted off-site treatment, storage, or disposal (TSD) facility.

Disposable sampling supplies

The spent disposable sampling supplies waste stream consists of all equipment and materials required to collect samples that directly contact contaminated environmental media (i.e., purge water) and cannot be decontaminated. This waste stream also includes wastes, such as paper items, associated with dry decontamination activities. Spent disposable sampling supplies have been collected together with spent PPE from the same sampling location in containers such as zip-lock baggies and then accumulated in 55-gal. drums at monitoring sites or at a consolidated accumulation area. Characterization of this waste stream is 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). At present, the spent disposable sampling supplies that have been in contact with nonhazardous, nonradioactive groundwater have been disposed of at a New Mexico solid waste landfill using WPF 39268, a copy of which was included in Appendix F of the previous PMR (LANL 2007, 097342). At present, the remaining spent disposable sampling supplies are being managed conservatively and staged in satellite accumulation areas or less-than-90-day areas at each sampling location or at a consolidated accumulation area, pending data review, hazardous waste determinations, and WPF approval.

The Laboratory expects most of these remaining wastes will be designated as nonhazardous waste that will be disposed of at a New Mexico solid waste landfill. If groundwater contains elevated radioactivity, the contact wastes may be designated as low-level radioactive waste and disposed of at TA-54, Area G or the Laboratory's Green is Clean program will be used to verify that disposable sampling supplies are nonradioactive and qualify for disposal at a New Mexico solid waste landfill. If the purge water contains hazardous waste, the associated sampling wastes will be treated or disposed of at a permitted off-site TSD facility.

Before the start of field investigation activities, the White Rock Watershed Groundwater Monitoring WCSF was prepared and approved per requirements of SOP-5022. The WCSF provides information on IDW characterization, management, containerization, analytical methods and estimated volumes. IDW characterization will be completed through review of existing data and/or documentation, sampling of the media being investigated (i.e., groundwater), and by direct sampling of the IDW. The approved WCSF was provided in the previous PMR (LANL 2007, 097342) as Attachment F-1.

Immediately following containerization of IDW for storage, each waste container was individually labeled with a unique identification number and with information regarding suspected waste classification, item(s), radioactivity (if applicable), and date generated. The wastes have been contained in clearly marked and appropriately constructed waste accumulation areas. Waste accumulation area postings, regulated storage duration, and inspection requirements are based on the type of IDW and its suspected classification. Container and storage requirements are detailed in the WCSF and approved before waste is generated. The selection of waste containers for transportation is pending final waste determinations and segregation and will be based on appropriate U.S. Department of Transportation requirements, waste types, actual volumes of IDW to be disposed, and transport mechanism.

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; 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), July 2006. "Interim Facility-Wide Groundwater Monitoring Plan, Revision 1.1," Los Alamos National Laboratory document LA-UR-06-4975, Los Alamos, New Mexico. (LANL 2006, 094043)

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), June 2007. "Periodic Monitoring Report for White Rock Watershed, September 11–22, 2006," Los Alamos National Laboratory document LA-UR-07-3474, Los Alamos, New Mexico. (LANL 2007, 097342)

Table F-1
Summary of IDW Generation and Management*

Waste Steam	Waste Type	Volume*	Characterization Method	On-site Management	Disposition Status
Spent PPE and disposable sampling supplies	Nonhazardous, suspect radioactive	<0.05 yd^3 (10 gal.)	Analytical chemistry data from water samples and AK	Zip-lock baggies accumulated in 55-gal. drums	Pending Green is Clean screening, radioactive waste determination, segregation, WPF approval and disposal.

*Volumes recorded represent volume generated during this particular sample event.

Appendix G

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

Request	Suite	Sample	Date	Location
185264	GENINORG	GF070400G3SW01	4/30/2007	Spring 3
185264	GENINORG	GF070400GA3S01	4/30/2007	Spring 3A
185264	GENINORG	GU070400G3SW01	4/30/2007	Spring 3
185264	GENINORG	GU070400GA3S01	4/30/2007	Spring 3A
185264	HEXP	GU070400GA3S01	4/30/2007	Spring 3A
185264	HEXP	GU070400G3SW01	4/30/2007	Spring 3
185264	METALS	GU070400GA3S01	4/30/2007	Spring 3A
185264	METALS	GU070400G3SW01	4/30/2007	Spring 3
185264	METALS	GF070400G3SW01	4/30/2007	Spring 3
185264	METALS	GF070400GA3S01	4/30/2007	Spring 3A
185264	SVOA	GU070400G3SW01	4/30/2007	Spring 3
185264	SVOA	GU070400GA3S01	4/30/2007	Spring 3A
185264	VOA	GU070400G3SW01	4/30/2007	Spring 3
185264	VOA	GU070400G3SW01-FTB	4/30/2007	Spring 3
185264	VOA	GU070400GA3S01	4/30/2007	Spring 3A
185264	VOA	GU070400GA3S01-FTB	4/30/2007	Spring 3A
185322	GENINORG	GU070400G5SW01	5/1/2007	Spring 5
185322	GENINORG	GF070400GC4S01	5/1/2007	Spring 4C
185322	GENINORG	GU070400GC4S01	5/1/2007	Spring 4C
185322	GENINORG	GF070400G5SW01	5/1/2007	Spring 5
185322	GENINORG	GF070400GB4S01	5/1/2007	Spring 4B
185322	GENINORG	GU070400GB4S01	5/1/2007	Spring 4B
185322	HEXP	GU070400G5SW01	5/1/2007	Spring 5
185322	HEXP	GU070400GB4S01	5/1/2007	Spring 4B
185322	HEXP	GU070400GC4S01	5/1/2007	Spring 4C
185322	METALS	GF070400G5SW01	5/1/2007	Spring 5
185322	METALS	GF070400GB4S01	5/1/2007	Spring 4B
185322	METALS	GF070400GC4S01	5/1/2007	Spring 4C
185322	METALS	GU070400G5SW01	5/1/2007	Spring 5
185322	METALS	GU070400GB4S01	5/1/2007	Spring 4B
185322	METALS	GU070400GC4S01	5/1/2007	Spring 4C
185322	SVOA	GU070400G5SW01	5/1/2007	Spring 5
185322	SVOA	GU070400GB4S01	5/1/2007	Spring 4B
185322	SVOA	GU070400GC4S01	5/1/2007	Spring 4C
185322	VOA	GU070400G5SW01	5/1/2007	Spring 5
185322	VOA	GU070400G5SW01-FTB	5/1/2007	Spring 5
185322	VOA	GU070400GB4S01	5/1/2007	Spring 4B
185322	VOA	GU070400GB4S01-FTB	5/1/2007	Spring 4B
185322	VOA	GU070400GC4S01	5/1/2007	Spring 4C

Request	Suite	Sample	Date	Location
185322	VOA	GU070400GC4S01-FTB	5/1/2007	Spring 4C
185416	GENINORG	GU070400GSAW01	5/2/2007	Ancho Spring
185416	GENINORG	GF070400GA4S01	5/2/2007	Spring 4A
185416	GENINORG	GF070400GAA401	5/2/2007	Spring 4AA
185416	GENINORG	GF070400GSAW01	5/2/2007	Ancho Spring
185416	GENINORG	GU070400GAA401	5/2/2007	Spring 4AA
185416	GENINORG	GU070400GA4S01	5/2/2007	Spring 4A
185416	HEXP	GU070400GA4S01	5/2/2007	Spring 4A
185416	HEXP	GU070400GAA401	5/2/2007	Spring 4AA
185416	HEXP	GU070400GSAW01	5/2/2007	Ancho Spring
185416	METALS	GU070400GA4S01	5/2/2007	Spring 4A
185416	METALS	GU070400GAA401	5/2/2007	Spring 4AA
185416	METALS	GF070400GSAW01	5/2/2007	Ancho Spring
185416	METALS	GF070400GAA401	5/2/2007	Spring 4AA
185416	METALS	GF070400GA4S01	5/2/2007	Spring 4A
185416	METALS	GU070400GSAW01	5/2/2007	Ancho Spring
185416	SVOA	GU070400GSAW01	5/2/2007	Ancho Spring
185416	SVOA	GU070400GA4S01	5/2/2007	Spring 4A
185416	SVOA	GU070400GAA401	5/2/2007	Spring 4AA
185416	VOA	GU070400GAA401-FTB	5/2/2007	Spring 4AA
185416	VOA	GU070400GSAW01-FTB	5/2/2007	Ancho Spring
185416	VOA	GU070400GSAW01	5/2/2007	Ancho Spring
185416	VOA	GU070400GAA401	5/2/2007	Spring 4AA
185416	VOA	GU070400GA4S01	5/2/2007	Spring 4A
185416	VOA	GU070400GA4S01-FTB	5/2/2007	Spring 4A
185526	GENINORG	GF070400G4SW01	5/3/2007	Spring 4
185526	GENINORG	GF070400G4SW20	5/3/2007	Spring 4
185526	GENINORG	GU070400G4SW01	5/3/2007	Spring 4
185526	GENINORG	GU070400G4SW20	5/3/2007	Spring 4
185526	HEXP	GU070400G4SW01	5/3/2007	Spring 4
185526	HEXP	GU070400G4SW20	5/3/2007	Spring 4
185526	METALS	GF070400G4SW01	5/3/2007	Spring 4
185526	METALS	GU070400G4SW20	5/3/2007	Spring 4
185526	METALS	GU070400G4SW01	5/3/2007	Spring 4
185526	METALS	GF070400G4SW20	5/3/2007	Spring 4
185526	SVOA	GU070400G4SW01	5/3/2007	Spring 4
185526	SVOA	GU070400G4SW20	5/3/2007	Spring 4
185526	VOA	GU070400G4SW01	5/3/2007	Spring 4
185526	VOA	GU070400G4SW01-FTB	5/3/2007	Spring 4
185526	VOA	GU070400G4SW20	5/3/2007	Spring 4
185674	GENINORG	GF070400G2SW01	5/7/2007	Spring 2

Request	Suite	Sample	Date	Location
185674	GENINORG	GU070400G2SW01	5/7/2007	Spring 2
185674	HEXP	GU070400G2SW01	5/7/2007	Spring 2
185674	METALS	GU070400G2SW01	5/7/2007	Spring 2
185674	METALS	GF070400G2SW01	5/7/2007	Spring 2
185674	SVOA	GU070400G2SW01	5/7/2007	Spring 2
185674	VOA	GU070400G2SW01-FTB	5/7/2007	Spring 2
185674	VOA	GU070400G2SW01	5/7/2007	Spring 2
2336	RAD	UU070400G3SW01	4/30/2007	Spring 3
2336	RAD	UU070400G5SW01	5/1/2007	Spring 5
2336	RAD	UU070400GA3S01	4/30/2007	Spring 3A
2336	RAD	UU070400GB4S01	5/1/2007	Spring 4B
2336	RAD	UU070400GC4S01	5/1/2007	Spring 4C
2336	RAD	UU070400GSAW01	5/2/2007	Ancho Spring
2337	RAD	UU070400GAA401	5/2/2007	Spring 4AA
2337	RAD	UU070400G4SW01	5/3/2007	Spring 4
2337	RAD	UU070400G4SW20	5/3/2007	Spring 4
2337	RAD	UU070400GA4S01	5/2/2007	Spring 4A