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Periodic Monitoring Report for Sandia Watershed Sampled June 29 through July 17, 2006

Los Alamos
NATIONAL LABORATORY
EST. 1943

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EXECUTIVE SUMMARY

The purpose of this report is to provide the results of periodic monitoring conducted by the Los Alamos National Laboratory (the Laboratory) in the Sandia Watershed. This periodic monitoring event for Mortandad Watershed was conducted pursuant to the New Mexico Environment Department-approved "Interim Facility Wide Groundwater Monitoring Plan, Revision 1" prepared under the Compliance Order on Consent.

The periodic monitoring event documented in this report began on June 29, 2006, and ended on July 17, 2006. Seven groundwater wells or well ports and three baseflow stations were sampled as part of this periodic monitoring event.

Various water samples obtained during this periodic monitoring event were analyzed for target analyte list metals (including cyanide and molybdenum), hexavalent chromium, volatile organic compounds, semivolatile organic compounds , pesticides, polychlorinated biphenyls, high explosives, radionuclides, tritium, general inorganics, perchlorate, stable isotopes, and field parameters (alkalinity, dissolved oxygen, iron, pH, specific conductance, temperature, and turbidity).

The screening analysis of the surface water analytical results indicates that no metals (except aluminum), general inorganic compounds, organic compounds, or radioactivity analytes were present above regulatory standards. One perchlorate result (a false positive contradicted by three other results) is above the screening level of 4 µg/L. The screening analysis of the groundwater analytical results indicated two dissolved metal results are above groundwater standards, and one organic result in the regional groundwater is above a regulatory standard. No general inorganic (excluding sodium and including perchlorate and total dissolved solids) or radioactivity results are above standards.

The screening analysis supports the Watershed's conceptual model with respect to groundwater quality. The types of analytes detected and their concentrations are consistent with data obtained prior to this periodic monitoring event with the exception of low-level tritium results in surface water and Aroclor-1242 in one regional groundwater well. In addition, chromium concentrations in R-11 show an increasing trend approaching 60% of the New Mexico Groundwater Standard.

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1.0 INTRODUCTION

This report provides documentation of quarterly groundwater and surface water monitoring conducted by the Los Alamos National Laboratory (LANL or the Laboratory) in the Sandia Watershed pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2006, 094043) prepared under the Compliance Order on Consent (Consent Order). This periodic monitoring event began on June 29, 2006, and ended on July 17 2006 and included sampling at seven groundwater wells, or well ports, and three baseflow stations. Seven alluvial groundwater wells (or well ports) were not sampled because they either had not yet been installed or there was not enough water present to sample. The data from two locations (R-10 and R-10a) on San Ildefonso lands are not included in this report because they have not been reviewed and released by the Pueblo.

This report presents the following information:

- General background information on the Watershed
- Watershed conceptual model
- Field measurement monitoring results
- Water-quality monitoring results
- Results of the screening analysis (comparing this periodic monitoring event's results with regulatory standards)
- 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

Sandia Watershed is located within the central part of the Laboratory. Sandia Canyon heads on Laboratory property within TA-03 at an elevation of approximately 7300 ft and trends east-southeast across the Laboratory, Bandelier National Monument, and San Ildefonso Pueblo. Sandia Canyon empties into the Rio Grande in White Rock Canyon at an elevation of 5450 ft.

The area of the Sandia Watershed is approximately 5.5 mi^2. The head of the canyon is located on the Pajarito Plateau at Technical Area (TA) 03. Perennial stream flow and saturated alluvial aquifer conditions occur in the upper and middle portions of the canyon system because of sanitary wastewater and cooling tower discharges to the canyon from operating facilities. A wetland of approximately 7 acres has developed as a result of the wastewater and cooling tower discharges. Polychlorinated biphenyls (PCBs) have been detected in sediment samples obtained from the wetland area, and mercury has been detected in surface water samples. The only known perennial spring in the watershed (Sandia Spring) is located in lower Sandia Canyon.

TAs located in the Sandia Watershed include TA-03, -20, -53, -60, -61, and -72. Approximately 264 solid waste management units (SWMUs) and areas of concern (AOCs) are within these TAs. The types of SWMUs and AOCs vary from industrial outfalls to open-detonation firing sites.

1.2 Conceptual Model

The hydrologic and geochemical conceptual model for contamination in the Sandia Watershed is not well documented at this time because of the relatively small amount of data available for the sediment, alluvial groundwater, and vadose zone beneath the canyon. A significant advancement in the conceptual model is expected through implementation of the "Interim Measures Work Plan for Chromium Contamination in Groundwater" (LANL 2006, 091987). The scope of this work plan addresses further definition of the nature and extent of contamination in alluvial groundwater through the installation and monitoring of five new alluvial groundwater monitoring wells and coring and sampling through approximately 300 ft of vadose zone in a segment of the canyon.

The conceptual model for the Sandia Watershed as provided in the IFGMP (LANL 2006, 094043) is reproduced in Table A-1 (Appendix A) of this document.

2.0 SCOPE OF ACTIVITIES

This periodic monitoring event for the Sandia Watershed was conducted pursuant to the NMED-approved "Interim Facility Wide Groundwater Monitoring Plan, Revision 1" (LANL 2006, 094043).

Table 2.0-1 below provides the location name, sample collection date and time, port common name, port depth, screened interval, top and bottom screen depths, instantaneous stream flow or water level, and the water-level method for each of the monitored locations. These locations are spatially represented in Figure 2.0-1.

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with this periodic monitoring event are documented in the 2006 IFGMP (LANL 2006, 094043). Deviations from these documented methods and procedures are discussed in Section 3.4 or Table D-4.

3.2 Field Parameter Results

Table B-1 (Appendix B) contains the field parameter results for this periodic monitoring event and the last three monitoring events.

3.3 Water-Level Observations

The periodic monitoring water-level data, including the last three sampling events, are located in Table C-1 (Appendix C). For those wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements are reported at a time immediately before sampling. The water-level measurements taken during the execution of this periodic monitoring event are shown graphically in Figure 3.3-1.

Groundwater flow in the saturated alluvium is typically constrained by the canyon structure and travels in a generally eastward direction downcanyon. All other modes of groundwater are influenced by a variety of geologic controls. These geologic controls, which determine groundwater flow direction in both the

intermediate-perched and regional groundwater, are surrounded by a high degree of uncertainty. Therefore, the directions of flow for these groundwater regimes are not displayed on the figures.

3.4 Deviations from Planned Scope

The primary deviations from the planned scope were caused by inadequate water available for sampling at numerous locations and data not available for inclusion in this periodic monitoring report due to delays at the analytical laboratory or requirements for review and release of the data by the property owner. Table 3.4-1 below describes the deviations from the planned scope of this periodic monitoring event.

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of this periodic monitoring event are documented in the 2006 IFGMP (LANL 2006, 094043). Any changes from these documented laboratory methods and procedures are discussed in Table D-3 (Appendix D).

4.2 Analytical Data

Tables D-1, D-2, and D-3 (Appendix D) presents the analytical data from this periodic monitoring event and the applicable regulatory standards to which the results are compared. Table D-4 provides a summary of data quality exceptions and the analytical laboratory reports (including chains of custody, etc.) can be found in Appendix G.

Table D-1 was derived using all validated data[1] obtained during the periodic monitoring event with the following constraints.

- Radionuclides
  - All results without a laboratory qualifier of U or X (indicating the analyte was not detected) are reported at all locations.
  - Low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty (or 3σ) are reported.
  - Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
  - Only Cs-137, Co-60, Np-237, K-40, and Na-22 are reported (or analyzed) for the gamma spectroscopy suite.
- Nonradionuclides
  - For a given location, port depth, analyte, field prep, and sample date, all results are reported for the sample, field duplicate (triplicates and quadruplicates are also reported), reanalyses, field blanks, trip blanks, equipment blanks and different analytical methods.

[1] Data that have been independently reviewed for conformance with Laboratory requirements

Analytical laboratory quality control results including matrix spike and matrix spike duplicates are not included in the data set.

The standards applied to each media are listed below in 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. Tables D-2 and D-3 indicate the type of standard, the agency that promulgated the standard, and whether the standard applies to dissolved (F, or filtered) or total (UF, or unfiltered) samples. A screening level for perchlorate is established at 4 µg/L in Section VIII.A.1.a of the Compliance Order on Consent (the Consent Order) (LANL 2005, 088207).

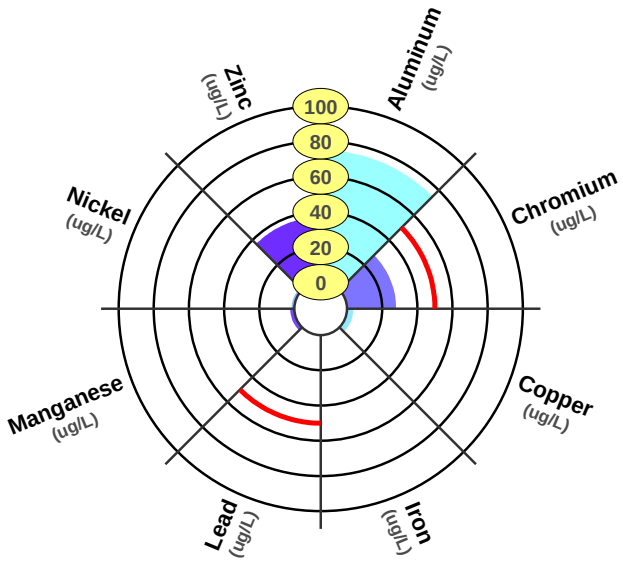
Surface water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order (NMED 2005, 088207). Surface water sample results were compared with all surface water standards without consideration of the designated use for the particular reach. The NM Groundwater Standards apply to the dissolved portion of specified contaminants, except that standards for mercury, organic compounds, and nonaqueous phase liquids apply to the total unfiltered concentrations of the contaminants.

As required by the Consent Order, EPA Region 6 Tap Water Screening Levels are used for constituents having no other regulatory standard and for which toxicological information is published. For these screening levels, the tables indicate a risk type of C (cancer) or N" (noncancer). For the cancer risk type, the risk levels are for 10^{-6} excess cancer risk. The Consent Order specifies screening with these values at a risk level of 10^{-5} (rather than 10^{-6}) excess cancer risk. Therefore, data must exceed the 10^{-6} screening values by a factor of 10 or more to be above a risk level of 10^{-5} excess cancer risk.

The data were evaluated using the following screening process.

- Pursuant to the Consent Order, the analytical results for all constituents are compared with applicable water quality standards (EPA maximum contaminant levels (MCLs), EPA secondary maximum contaminant levels (SMCLs), New Mexico Groundwater and Surface Water Standards, and EPA Region 6 Tap Water Screening Levels) and the Consent Order screening level for perchlorate.
- The analytical results for radioactivity are compared to the DOE biota concentration guidelines [BCGs]) and Derived Concentration Guides (DCGs) for groundwater.
- Table E-1 shows all detected values for perchlorate, radioactivity and organic compounds; and all values greater than ½ the lowest applicable standard for metals and general inorganic compounds.
- For radioactivity, organic compounds and perchlorate, an analysis of all available detections for specific analytes is performed to determine if a decreasing or increasing trend exists.
- For metals and general inorganic compounds, an analysis of all values greater than ½ the lowest applicable standard is performed to determine if a decreasing or increasing trend exists.

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



Example modified clock diagram

The analytes were selected from two data sets: those identified during the data screening performed in the IFGMP (LANL 2006, 094043) and those identified during the data screening from this periodic monitoring event.

The analytes identified in the IFGMP data screening for the Sandia Watershed included aluminum, aroclor-1260, cadmium, copper, perchlorate, selenium and zinc in surface water; and bis(2-ethylhexyl)phthalate, iron, lead, manganese, nickel, and selenium in groundwater. Aroclor-1242 was added to the data set based on the analytical results from this periodic monitoring event.

The blue and green diagrams represent metals and general inorganic and organic data, respectively. For surface water, the selected analytes shown in blue are chromium, copper, iron, manganese, nickel, perchlorate, selenium, and zinc. For groundwater, the selected analytes shown in blue are aluminum, chromium, copper, iron, lead, manganese, nickel, and zinc. For both surface water and groundwater, the selected analytes shown in green are aroclor-1242, nitrate and perchlorate.

Analytes that are not shown on the diagrams are either not detected or were radionuclides. Empty diagrams are shown for completeness and allow the reader to see that some analytes were not present in significant concentrations at certain locations. The solid red lines, when shown, depict applicable regulatory standards or screening levels. Note that some standards or screening levels may exceed the highest concentration displayed and may not appear on the diagram.

4.2.1 Surface Water (Base Flow)

No general inorganic results for surface water are above the screening criteria.

The only perchlorate value above the screening level of 4 µg/L is one surface water result from baseflow station “South Fork of Sandia Canyon at E122 .The value is measured by ion chromatography at a concentration of 6 µg/L. However, a field duplicate result by the same method is nondetect, and two other results for the sample, using a more accurate analytical method, are 0.7 µg/L. Therefore, the 6 µg/L result is contradicted by 3 other analyses and an error. Perchlorate results for two other surface water locations were below 1 µg/L.

The predominant metal present in surface water at concentrations above water-quality standards is aluminum. Elevated concentrations of this metal are a result of the effects of suspended sediment and the sample turbidity (LANL 2006, 094108).

The only other metal with concentrations near or above standards in surface water is selenium which is found at baseflow station "South Fork of Sandia Canyon at E122." The selenium result is 60% of the New Mexico Water Quality Control Commission (NMWQCC) Wildlife Habitat Standard. A total lead concentration of 2 µg/L is found at the baseflow station "Sandia below Wetlands." The only surface water standard for lead applies to dissolved concentrations and is not an applicable standard for total concentrations. However, if the result and the standard are compared, the concentration at the baseflow station "Sandia below Wetlands" is about 50% of the dissolved Fisheries Chronic Standard at a hardness of 100 mg/L.

With a few exceptions like solvents and high explosive compounds in some areas of the Laboratory, organic detections in surface water samples are usually related to sampling and analysis cross-contamination issues rather than to Laboratory contamination. Most organic analytes are not consistently found in samples from a given station. Exceptions are that two aroclors were detected in unfiltered surface water samples at the baseflow station "Sandia below Wetlands" at values above New Mexico Standards. These aroclor concentrations are lower than previous results for stormwater runoff and surface water samples at this location.

No radiological measurements are above standards. One radionuclide (americium-241) detection occurs in a single surface water sample from the baseflow station "Sandia below Wetlands." The analytical result is near the detection limit unsupported by field duplicate analyses. The inconsistent detection of this analyte over time suggests the result is a false positive.

This periodic monitoring event included the first tritium analyses performed at several surface water locations. Low-detection-limit tritium is detected for the first time at two baseflow stations "Sandia below Wetland" and "Middle Sandia Canyon at terminus of persistent baseflow" at 27.59 and 121.07 pCi/L, respectively.

A summary of the results of comparing the analytical data with applicable regulatory standards is shown in Table E-1 (Appendix E). Graphical representations of select surface water analytical results (see Section 4.2) are shown in Figure 4.2-1.

4.2.2 Groundwater

The nitrate values in R-11 are at 50% of the New Mexico Groundwater Standard (NMGS), the highest values found to date in the well. An evaluation of all data suggests a possible increasing trend in the concentration of nitrate. Most groundwater perchlorate values are nondetect or near detection, except for two duplicate values (0.8 µg/L) from R-11.

The occurrence of most elevated metals concentrations in groundwater samples is due to naturally-occurring rock materials or ubiquitous well-sampling-related issues rather than by Laboratory contamination. The predominant metals present in groundwater at concentrations above water-quality standards are aluminum, manganese, and iron. The concentrations of these metals in groundwater samples result from the effects of sample turbidity or well construction artifacts.

The only other metal present in groundwater at concentrations near a standard or screening level is chromium in R-11where recent chromium concentrations approach 60% of the NMGS. The filtered chromium results for R-11 indicate an increasing trend (from 17 µg/L to 27 µg/L) since May 2005.

With a few exceptions like solvents and high explosive compounds in some areas of the Laboratory, organic detections in groundwater samples are usually related to sampling and analysis cross-contamination issues rather than to Laboratory contamination. Most organic analytes are not consistently found in samples from a given station. In groundwater, a steady detection of an organic compound across sampling events would be expected if contamination is present.

Four organic compound detections occur in groundwater samples from this periodic monitoring event: two of methylene chloride (a common analytical laboratory contaminant), one of bis(2-ethylhexyl)phthalate in a field blank; and one of aroclor-1242. The aroclor-1242 result in a regional groundwater port in R-12 is higher than both the EPA MCL and NMWQCC Groundwater Standard. This is the only detection of an aroclor in R-12 over many years of sampling.

Low-detection-limit tritium results in groundwater are consistent with prior measurements taken at the same locations. Tritium results for R-11 have crept from 6 pCi/L to 11 pCi/L over the past year. Farther down the canyon, tritium values in two intermediate-perched and one regional port of R-12 have decreased by 50% or more over the past 6 years and are now 105 and 13 pCi/L and 38 pCi/L, respectively.

No radiological measurements are above standards, but three are detected in the intermediate-perched and regional groundwater samples. The analytical results are near the detection limit unsupported by field duplicate analyses. The inconsistent detection of these analytes over an extended period of time suggests the results are false positives.

A summary of the results of comparing the analytical data with applicable regulatory standards is shown in Table E-1 (Appendix E). Graphical representations of select groundwater analytical results (see Section 4.2) are shown in Figure 4.2-1.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring events for the Sandia Watershed are proposed at this time.

5.0 INVESTIGATION-DERIVED WASTE

Appendix F discusses the management of waste derived during this periodic monitoring event and contains the waste management records for waste streams generated during this periodic monitoring event.

6.0 SUMMARY

6.1 Monitoring Results

An evaluation of the field parameter monitoring results presented in Table B-1 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)

The screening analysis of the base flow analytical results indicates that no metals (except aluminum), general inorganic compounds, organic compounds, or radionuclides are present above regulatory standards. One perchlorate result (a false positive contradicted by three other results) is above 4 µg/L. The types of contaminants detected and their levels are consistent with prior data, except for the new surface water tritium data. The screening results support the Watershed's conceptual model with respect to surface water quality as summarized in the IFGMP and included in Appendix A.

6.2.2 Groundwater

The screening analysis of the groundwater analytical results indicate two dissolved metal results are above EPA MCLs, EPA SMCLs, or NMGS, and one organic result is above an EPA MCL in regional groundwater. No general inorganic (excluding sodium, but including perchlorate and total dissolved solids) or radioactivity results are above EPA MCLs, EPA SMCLs, NMGS, or other screening levels. The screening results support the Watershed's conceptual model with respect to groundwater quality as summarized in the IFGMP and included in Appendix A. However, the detection of an aroclor in R-12 is the first in seven years of sampling.

6.3 Data Gaps

Table 6.3-1 provides a summary of the field parameter and analytical data gaps encountered during this periodic monitoring event. Table 2.0-1 and D-4 (Appendix D) provide a more detailed account of sampling event deviations and data quality exceptions.

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 ENV-ERS Program 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), September 1997. "Work Plan for Sandia Canyon and Cañada del Buey," Los Alamos National Laboratory document LA-UR-99-3610, Los Alamos, New Mexico. (LANL 1999, 064617)

LANL (Los Alamos National Laboratory), March 2006, "Interim Measures Work Plan for Chromium in Groundwater," Los Alamos National Laboratory document LA-UR-06-1961, Los Alamos, New Mexico. (LANL 2006, 091987)

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), September 2006, "Environmental Surveillance at Los Alamos during 2005," Los Alamos National Laboratory document LA-14304-ENV, Los Alamos, New Mexico. (LANL 2006, 094108)

NMED (New Mexico Environment Department). March 1, 2005. "Compliance Order on Consent Proceeding under the New Mexico Hazardous Waste Act 74-4-1 and the New Mexico Solid Waste Act 74-9-36(D) in the Matter of the United States Department of Energy and the Regents of the University of California, ," Santa Fe, New Mexico. (NMED 2005, 088207)

7.1 Geospatial Data Sources

BLM 100K Land Ownership; Los Alamos National Laboratory, RRES-Remediation Services; 2002.

LANL Hillshade 2000 - 4 Ft; Los Alamos National Laboratory, ENV-Environmental Characterization and Remediation Group, Geographical Information Systems Team, LA-UR-02-1745; 13 June 2005.

Locations of Springs; Los Alamos National Laboratory, Environmental Stewardship Division in cooperation with the New Mexico Environment Department, Department of Energy Oversight Bureau, ER2005-0495; 1:2,500 Scale Data; 18 July 2005.

Penetrations; Los Alamos National Laboratory, ENV-Environment and Remediation Support Services, ER2006-0664; 1:2,500 Scale Data; 21August 2006.

SPPI Boundaries; Space Planning and Project Inititiation; 2005.

Surface Water Runoff Monitoring Stations; Los Alamos National Laboratory, RRES-Water Quality and Hydrology Group; 13 June 2005.

Watercourse; Los Alamos National Laboratory, ENV-Environmental Characterization and Remediation Group, Geographical Information Systems Team; 5 April 2005.

WQH Drainage_arc; Los Alamos National Laboratory, RRES-Water Quality and Hydrology Group; 3 June 2003.

WQH NPDES Outfalls; Los Alamos National Laboratory, ENV-Environmental Characterization and Remediation Group; 1 September 2003.

WQH Perennial Streams; Los Alamos National Laboratory, RRES-Water Quality and Hydrology Group; 25 April 2006.

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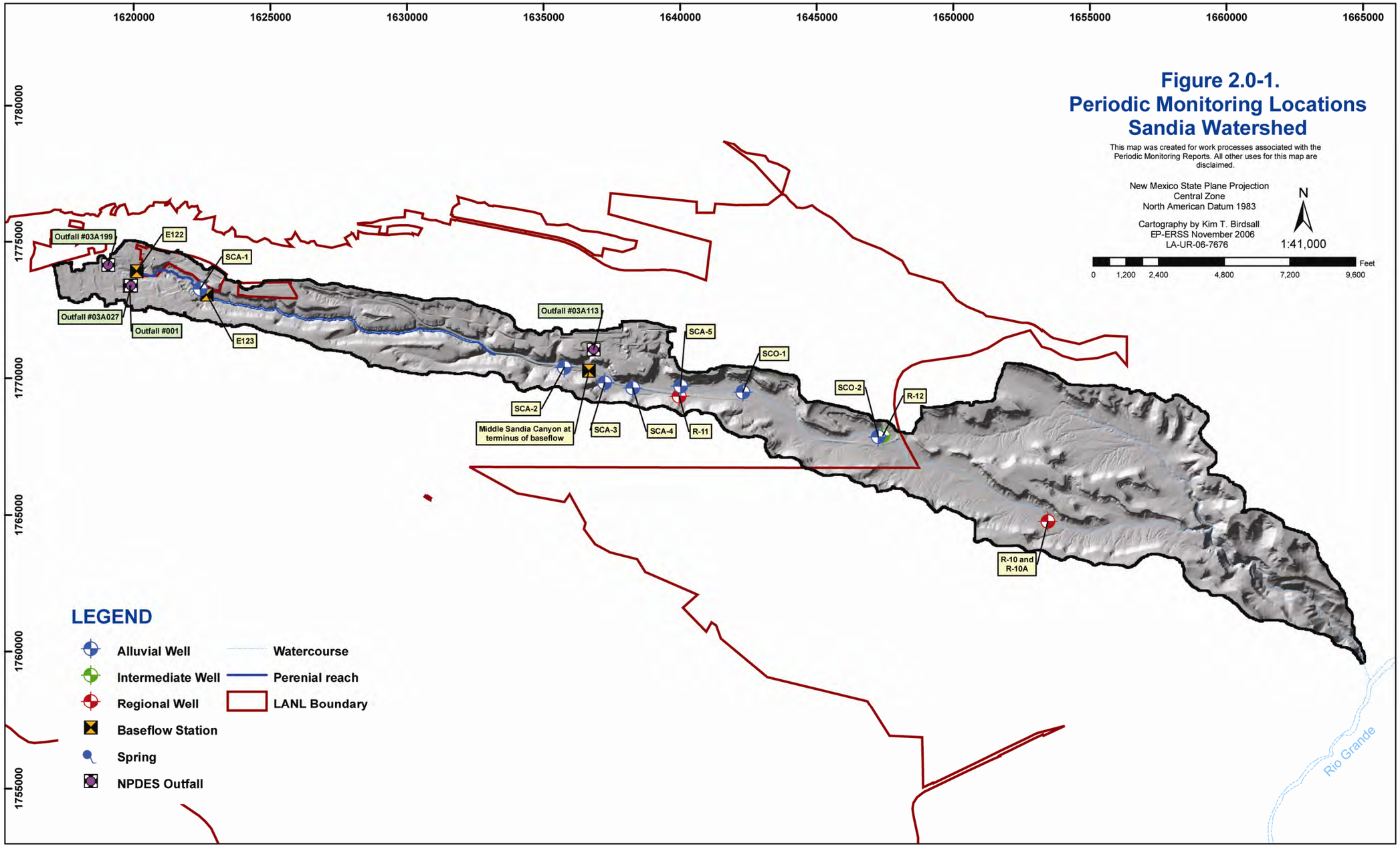

Figure 2.0-1. Periodic monitoring locations Sandia Watershed

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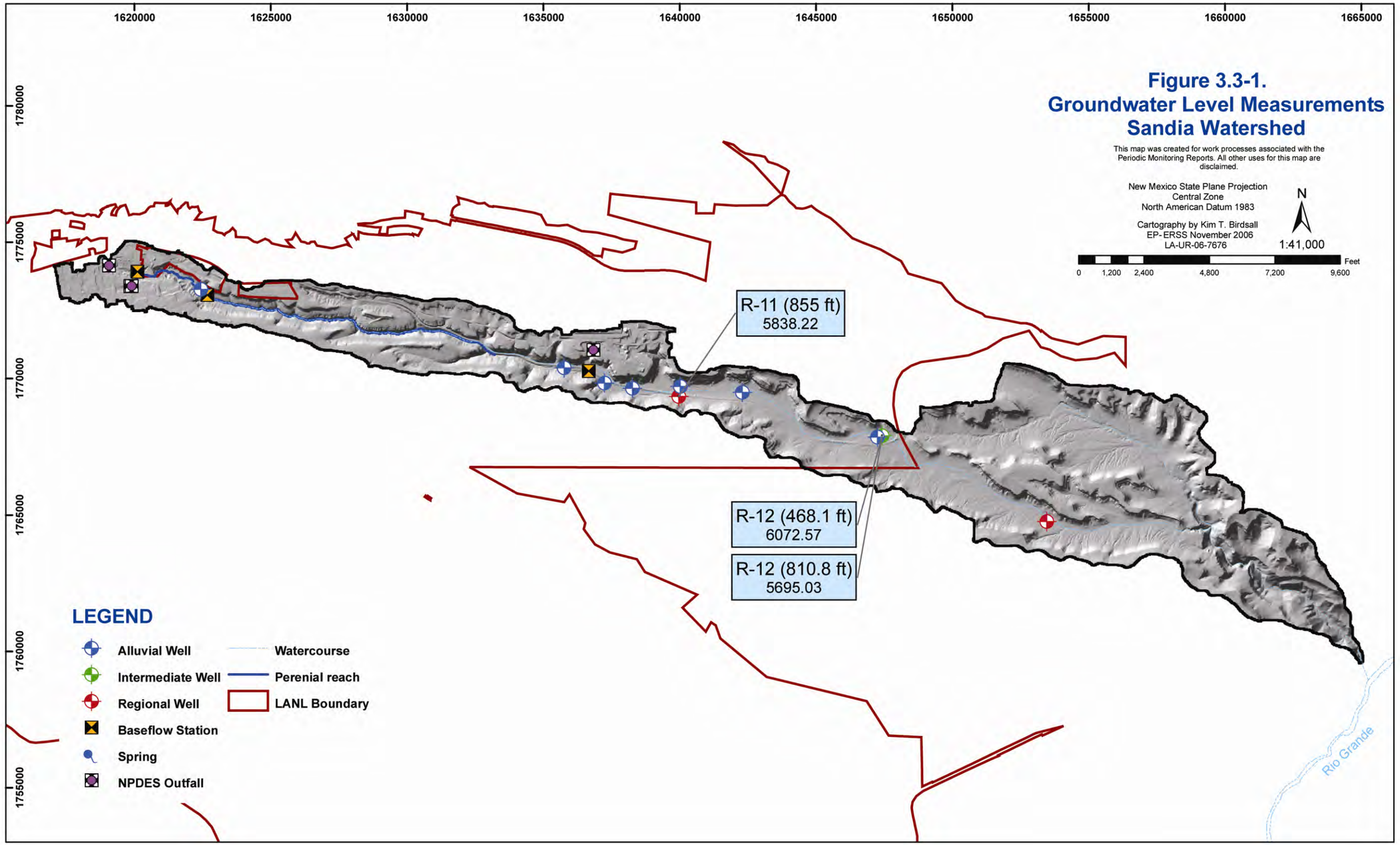

Figure 3.3-1. Surface water analytical results Sandia Watershed

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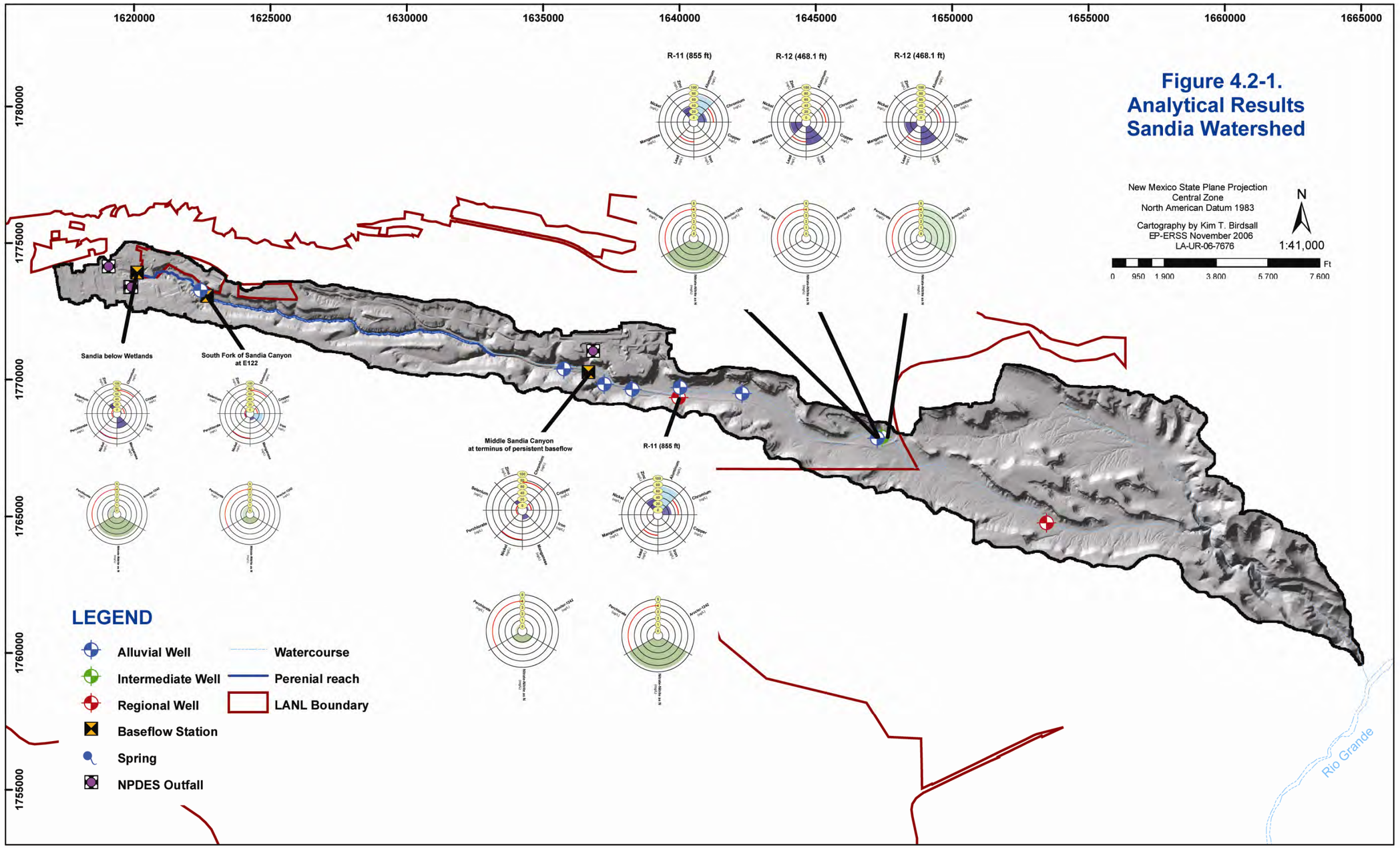

Figure 4.2-1. Analytical results Sandia Watershed

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Table 2.0-1
Monitoring Locations and General Information

Location Name	Sample Collection Date and Time	Port Common Name	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Instantaneous Stream Flow (ft^3/s) or Water Level (ft)	Water-Level Method
Surface Water (Base Flow)								
Middle Sandia Canyon at terminus of persistent base flow	7/12/06	n/a[a]	n/a	n/a	n/a	n/a	0.1	n/a
Sandia below Wetlands	7/12/06	n/a	n/a	n/a	n/a	n/a	1.87	n/a
South Fork of Sandia Canyon at E122	6/29/06	n/a	n/a	n/a	n/a	n/a	0.057	n/a
Alluvial Groundwater								
SCA-1**	Not sampled	Single completion	n/a	0.6	1.3	1.9	n/a	n/a
SCA-2**	Not sampled	Single completion	n/a	4.7	10.3	15	n/a	n/a
SCA-3**	Not sampled	Single completion	n/a	4.4	27.6	32	n/a	n/a
SCA-4**	Not sampled	Single completion	n/a	4.5	37	41.5	n/a	n/a
SCA-5[b]	Not sampled	Single completion	n/a	9.4	55	64.4	n/a	n/a
SCO-1**	Not sampled	Single completion	9.3	10	9.3	19.3	n/a	n/a
SCO-2**	Not sampled	Single completion	9.4	10	9.4	19.4	n/a	n/a
Intermediate-perched groundwater								
R-12	7/11/06 3:00 PM	MP1A	468.1	8.5	459	467.5	6072.57	Transducer
R-12	7/12/06 9:00 AM	MP2A	507	3.5	504.5	508	6071.44	Transducer
Regional groundwater								
R-10	6/29/06 10:30 AM	1	874	23	874	897	5709.9	Manual
R-10	6/29/06 12:00 PM	2	1042	23	1042	1065	5704.14	Manual
R-10a	7/17/06 8:01 AM	Single completion	690	10	690	700	5741.09	Transducer
R-11	7/10/06 8:01 AM	Single completion	855	22.9	855	877.9	5838.23	Transducer

[a] n/a = Not applicable.

[b] Well not yet installed.

Table 3.4-1
Observations and Deviations

Location	Deviation	Cause	Impact	Comments
Middle Sandia Canyon at terminus of persistent base flow, R-11, Sandia below Wetlands, South fork of Sandia Canyon at E122	Hexavalent chromium late from laboratory	Analytical results were delayed by instrument failures and the lack of an automated electronic data deliverable. The analytical laboratory contracted for these specialty analyses is currently the only outside source available.	Data not included in this periodic monitoring report (PMR)	Data to be included in subsequent PMR
SCA-1, SCA-2, SCA-3, SCA-4 and SCA-5	No samples collected	Wells have not been drilled	No data	Data to be included in PMR subsequent well installation
SCO-1 and SCO-2	No samples collected	Wells are dry	No data	Data will be collected for subsequent PMR
R-10 (screens 1 and 2) and R-10a	Data not released by owner	Location on San Ildefonso property	Data not included in this PMR	Data to be included in PMR following release

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 Guide (BCG)		x
DOE 100 mrem Public Dose Derived Concentration Guide (DCG)	x	
DOE 4 mrem Drinking Water DCG	x	
EPA Maximum Contaminant Level (MCL)	x	
EPA Secondary Maximum Contaminant Level (SMCL)	x	
EPA Region 6 Tap Water Screening Level	x	
NMEIB Radiation Protection Standards	x	x
NMWQCC Fisheries Standards Chronic		x
NMWQCC Fisheries Standards Chronic, Hardness = 100 mg/L		x
NMWQCC Groundwater Standard (NMGS)	x	
NMWQCC Livestock Watering Standard		x
NMWQCC Wildlife Habitat Standard		x
NMWQCC Human Health Standard Ephemeral		x
NMWQCC Human Health Standard Perennial		x

Table 6.3-1
Data Gaps

Data Gap	Impact	Resolution
Samples not collected due to lack of water	No data available for this PMR	Continue to monitor locations per Interim Plan
Field parameters not obtained for R-11	No field parameter data for R-11 is available for this PMR	Available data will be reported in subsequent PMR
Data not released by owner	No data available for this PMR	Data will be reported in subsequent PMR

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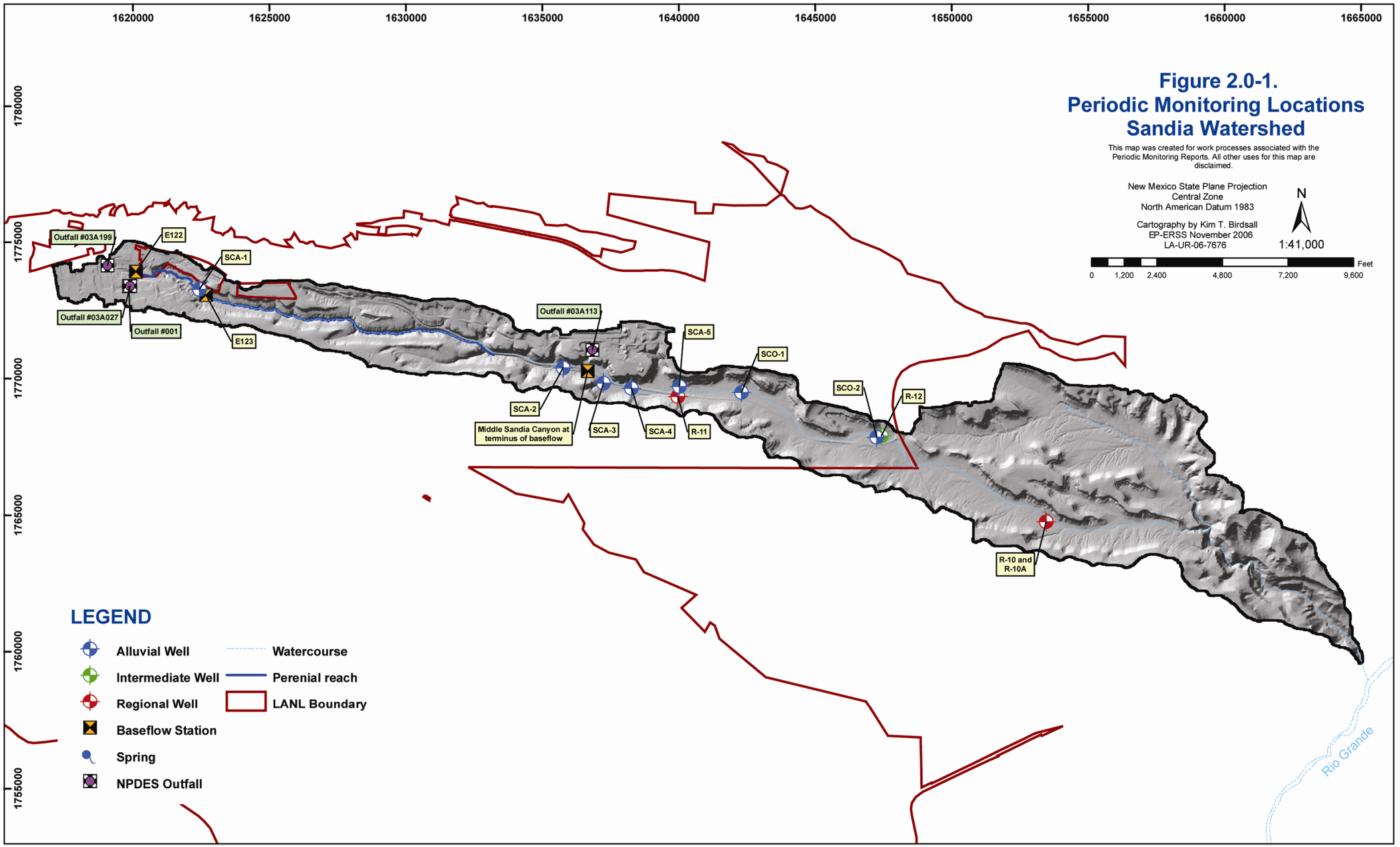

Figure 2.0-1. Periodic monitoring locations Sandia Watershed

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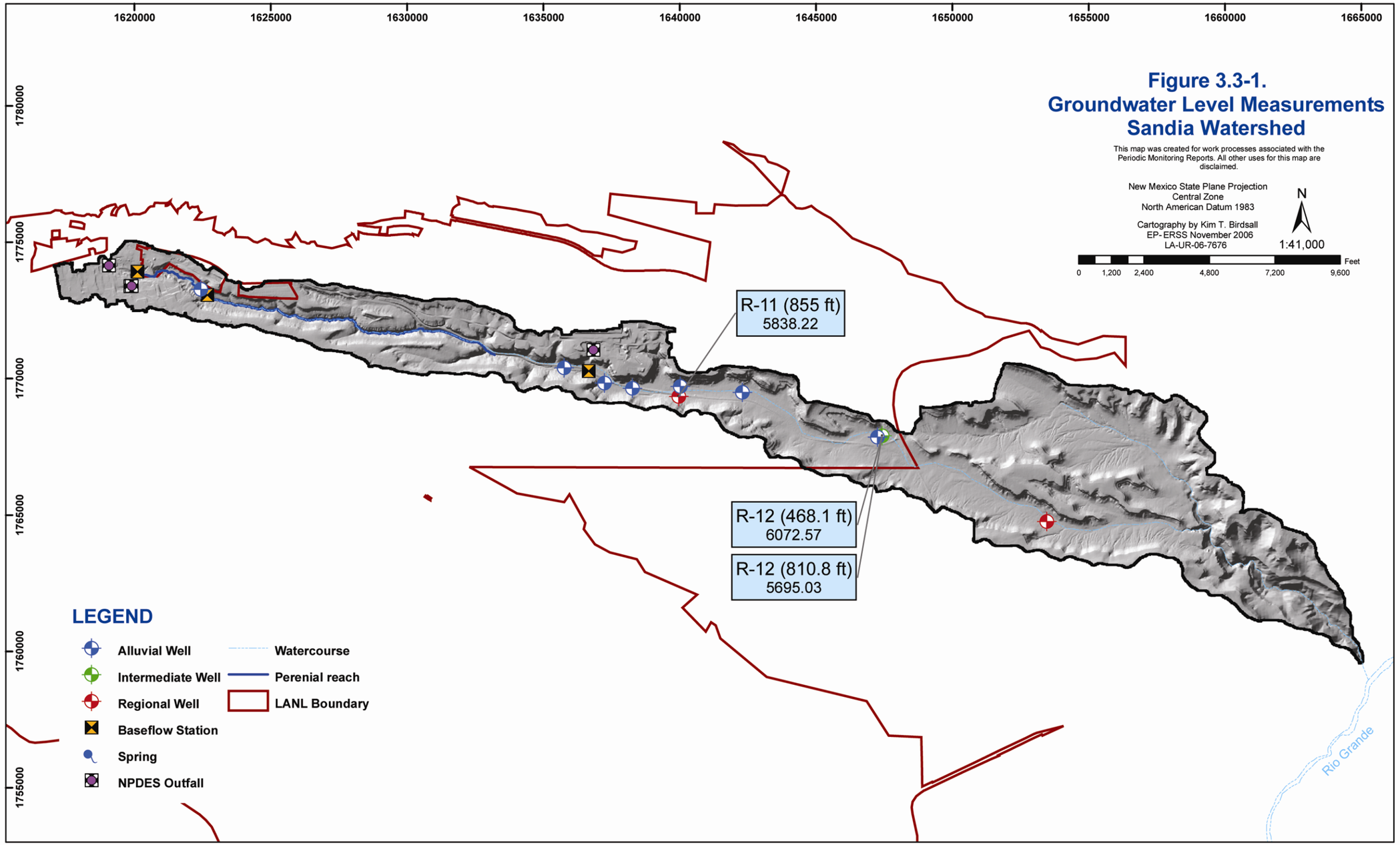

Figure 3.3-1. Surface water analytical results Sandia Watershed

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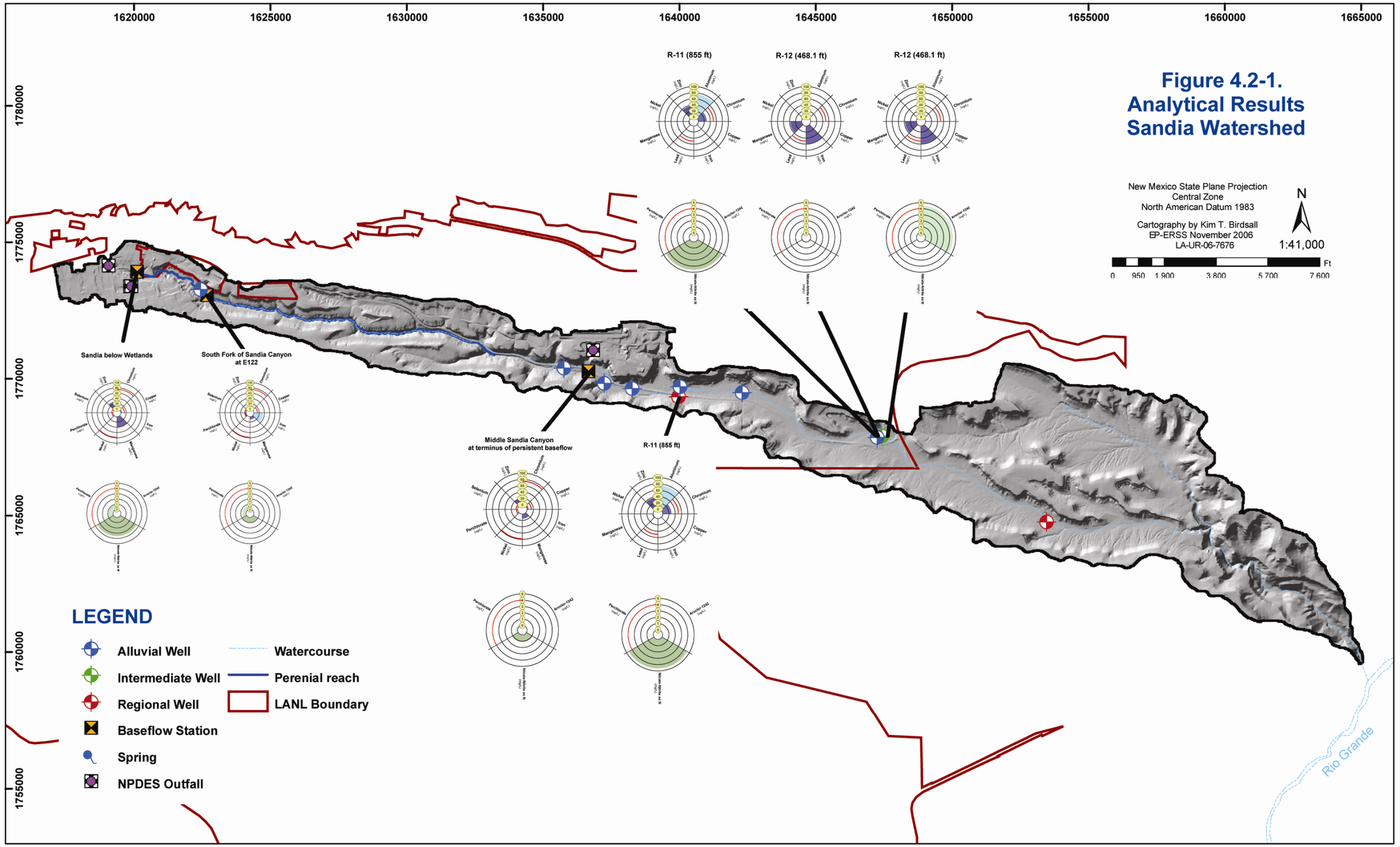

Figure 4.2-1. Analytical results Sandia Watershed

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Appendix A

Sandia Watershed Conceptual Model

This appendix contains the conceptual model as described in Table A-3 of the 2006 IFWGMP (LANL 2006, IFWGMP).

Table A-1
Sandia Watershed Conceptual Model

Conceptual Model Element	Characteristic	Description
Surface Water	**Flow**	Sandia Canyon and its tributaries are ephemeral. With the exception of gaging station E200, which measures flow created by discharge of treated effluent from the TA-50 RLWTF, all other gaging stations measured flow only in response to precipitation. In the period 1995–2002, gage E200 measured flow 64% of the year, where the other gages (E202, E203, E204) measured no flow. Operating NPDES-permitted outfalls associated with Sandia Canyon include 051 associated with the TA-50 RLWTF; 03A-021 associated with the CMR Laboratory at TA-03; 03A-022 associated with the Sigma Building at TA-03; 03A-045 associated with the Rad Chem Laboratory at TA-48; 03A-160 associated with Antares Target Hall at TA-35; 03A-181 associated with a utility building at TA-55; and 04A-166 associated with water supply well Pajarito Mesa #5. Cañada del Buey within the Laboratory boundary is ephemeral in character, based on flow data from three gages; E218, E230, and E225. In the period from 1995 to 2002, the number of days of flow per year ranged from 38 at the gage near TA-46 to zero near MDA G. Cañada del Buey east of the Laboratory has effluent-supported flow from the Los Alamos County sewage treatment plant in White Rock, which discharges into Cañada del Buey about 2 mi upstream of its confluence with Sandia Canyon, and results in effluent-supported surface flow that regularly extends to the Rio Grande. Operational NPDES-permitted outfalls associated with Cañada del Buey include 13S associated with the TA-46 Sanitary Wastewater Systems Consolidation (SWSC) Plant (effluent is sampled at 13S but not discharged; all SWSC effluent is routed to TA-03) and 04A-118 associated with water supply well Pajarito Mesa #4.
	Quality	Key contaminants include americum-241, plutonium-238, plutonium-239/240, strontium-90, fluorine, nitrate, and perchlorate.
Springs	**Name**	No springs are present in the Sandia Canyon.
	Quality	Not applicable

Table A-1 (continued)

Conceptual Model Element	Characteristic	Description
Alluvial Groundwater	**Extent**	Based on water levels observed in Sandia Canyon alluvial wells, a saturated zone in the alluvium extends downstream from the TA-50 RLWTF outfall for approximately 2.2 mi. The easternmost extent of saturation in the alluvium is estimated near wells MCO-8 and MCO-8.2. In Cañada del Buey, nine alluvial wells were installed, but only two occasionally contain groundwater.
	Depth/Thickness	The saturated portion of the Sandia Canyon alluvium is generally less than 10 ft thick and there is considerable variation in saturated thickness depending on the amount of precipitation and runoff in any particular year. Groundwater flow velocity in the alluvium varies from about 60 ft/day in the upper canyon to about 7 ft/day in the lower canyon and has been estimated to be 30 to 40 ft/day between MCO-5 and MCO-8.2.
	Quality	Key contaminants include americum-241, gross alpha, gross beta, plutonium-238, plutonium-239/240, strontium-90, H-3, fluorine, nitrate, and perchlorate. Effluent releases have had a major impact on water quality.
Intermediate Groundwater	**Extent/Hydrology**	Perched groundwater was encountered during drilling of R-15 and MCOBT-4.4 in two different stratigraphic levels within the Cerros del Rio basalt. The lateral extent of these intermediate depth perched zones is unknown.
	Depth/Thickness	At MCOBT-4.4, a single screen set in a perched zone within the upper Puye Formation/Cerros del Rio basalt at a depth of 524 ft below ground surface (bgs). In R-15, perched groundwater was encountered at a depth of 646 ft bgs in the lower portion of the Cerros del Rio basalt.
	Quality	Key contaminants include nitrate, chromium, and perchlorate. Water quality shows the impact of historical effluent releases.

Table A-1 (continued)

Conceptual Model Element	Characteristic	Description
Regional Aquifer	**Depth/Hydrology**	The regional water table occurs within the Puye Formation in the Sandia Canyon watershed. In Ten Site Canyon, approximately 3700 ft west of the confluence with Sandia Canyon, the regional aquifer was encountered at a depth of 1182 ft in well R-14. In Test Well 8, located in Sandia Canyon approximately 1300 ft west of the confluence with Ten Site Canyon, the regional aquifer occurs at a depth of 994 ft. The regional aquifer was encountered at a depth of 964 ft in R-15, located in Sandia Canyon approximately 2000 ft east of the confluence with Ten Site Canyon. In well R-13, located approximately 5800 ft east-southeast of R-15, the regional aquifer was encountered at a depth of 833 ft. Flow in the regional aquifer is generally west to east with some deviation due to pumping the Pajarito Mesa well field. However, the flow tends to come back toward the east due to pumping of other wells. Average flow velocity for the regional aquifer in the vicinity of Sandia Canyon is estimated to be about 95 ft/yr.
	Quality	Wells R-13 and R-14 have not shown contamination in the regional aquifer during drilling and/or subsequent characterization sampling. Key contaminants include perchlorate in well R-15.
Contaminants	**Potential Sources**	A description of potential release sites (PRSs) in the Sandia watershed is provided in Work Plan for Sandia Canyon. The canyon passes through or is adjacent to current Laboratory Technical Areas (TAs) 03, 05, 35, 46, 48, 50, 51, 52, 54, 55, 59, 60, and 63. PRSs in Cañada del Buey are provided in the "Work Plan for Sandia Canyon and Cañada del Buey." Cañada del Buey has been a buffer zone for surface and subsurface material disposal areas at TA-54 and for effluent disposal, mostly from former TA-04. It also received discharges from TA-46, -51, and -52. Outfall discharges into Sandia Canyon are described in the "Work Plan for Sandia Canyon." Sandia Canyon and its tributaries have received effluent from the Laboratory since the early 1950s. Outfall discharges into the Cañada del Buey drainage are described in the Work Plan for Sandia Canyon and Cañada del Buey. Cañada del Buey received effluent from the Laboratory from the 1950s to the 1990s.

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Appendix B

Field Parameter Results
(Including this Periodic Monitoring and Last Three Events)

Table B-1
Field Parameter Monitoring Results

Location	Port	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample	Uli	Uri
Middle Sandia Canyon at terminus of persistent baseflow			07/12/06	WP	Dissolved Oxygen	6.1	mg/L	FU060600PMSC01	24241	12571591
Middle Sandia Canyon at terminus of persistent baseflow			07/12/06	WP	Specific Conductance	497	uS/cm	FU060600PMSC01	24241	12571601
Middle Sandia Canyon at terminus of persistent baseflow			07/12/06	WP	Temperature	19.4	C	FU060600PMSC01	24241	12571611
Middle Sandia Canyon at terminus of persistent baseflow			07/12/06	WP	Turbidity	4.38	NTU	FU060600PMSC01	24241	12571621
Middle Sandia Canyon at terminus of persistent baseflow			07/12/06	WP	pH	7.93	SU	FU060600PMSC01	24241	12571631
R-11	5531	855	04/20/06	WG	Alkalinity-CO3+HCO3	114	mg/L	FU06040G11R01	19711	12383521
R-11	5531	855	02/03/06	WG	Alkalinity-CO3+HCO3	63	mg/L	FU06010G11R01	19711	12135551
R-11	5531	855	11/08/05	WG	Alkalinity-CO3+HCO3	64.5	mg/L	FU05110G11R01	19711	11546691
R-11	5531	855	02/03/06	WG	Iron	10	ug/L	FU06010G11R01	19711	12135571
R-11	5531	855	11/08/05	WG	Iron	0	ug/L	FU05110G11R01	19711	11546711
R-11	5531	855	04/20/06	WG	Specific Conductance	206	uS/cm	FU06040G11R01	19711	12383551
R-11	5531	855	02/03/06	WG	Specific Conductance	178	uS/cm	FU06010G11R01	19711	12135611
R-11	5531	855	11/08/05	WG	Specific Conductance	205	uS/cm	FU05110G11R01	19711	11546751
R-11	5531	855	04/20/06	WG	pH	8.04	SU	FU06040G11R01	19711	12383581

Table B-1 (continued)

Location	Port	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample	Uli	Uri
R-11	5531	855	02/03/06	WG	pH	7.9	SU	FU06010G11R01	19711	12135641
R-11	5531	855	11/08/05	WG	pH	8.13	SU	FU05110G11R01	19711	11546781
R-12	12	468.1	02/02/06	WG	Alkalinity-CO3+HCO3	34	mg/L	FU0601G12R101	47992	12136371
R-12	52	507	02/01/06	WG	Alkalinity-CO3+HCO3	64	mg/L	FU0601G12R201	47992	12136501
R-12	102	810.8	01/31/06	WG	Alkalinity-CO3+HCO3	124	mg/L	FU0601G12R301	47992	12136561
R-12	12	468.1	07/11/06	WG	Specific Conductance	117	uS/cm	FU06050G12R101	47992	12571461
R-12	12	468.1	02/02/06	WG	Specific Conductance	118.9	uS/cm	FU0601G12R101	47992	12136391
R-12	12	468.1	06/30/05	WG	Specific Conductance	140.6	uS/cm	FU0506G12R102	47992	10611551
R-12	12	468.1	06/16/05	WG	Specific Conductance	132.2	uS/cm	FU0506G12R101	47992	10611031
R-12	52	507	07/12/06	WG	Specific Conductance	139.7	uS/cm	FU06050G12R201	47992	12571501
R-12	52	507	02/01/06	WG	Specific Conductance	139.9	uS/cm	FU0601G12R201	47992	12136521
R-12	52	507	08/01/02	WG	Specific Conductance	160	uS/cm	FU0207G12R201	47992	6398991
R-12	102	810.8	01/31/06	WG	Specific Conductance	293	uS/cm	FU0601G12R301	47992	12136581
R-12	102	810.8	06/20/05	WG	Specific Conductance	314	uS/cm	FU0506G12R301	47992	10611131
R-12	12	468.1	07/11/06	WG	Temperature	21.9	C	FU06050G12R101	47992	12571471
R-12	12	468.1	02/02/06	WG	Temperature	17.5	C	FU0601G12R101	47992	12136401

Table B-1 (continued)

Location	Port	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample	Uli	Uri
R-12	12	468.1	06/30/05	WG	Temperature	25.5	C	FU0506G12R102	47992	10611541
R-12	12	468.1	06/16/05	WG	Temperature	23.1	C	FU0506G12R101	47992	10611021
R-12	52	507	07/12/06	WG	Temperature	25.8	C	FU06050G12R201	47992	12571511
R-12	52	507	02/01/06	WG	Temperature	16.9	C	FU0601G12R201	47992	12136531
R-12	52	507	08/01/02	WG	Temperature	25.1	C	FU0207G12R201	47992	6399001
R-12	102	810.8	01/31/06	WG	Temperature	20.4	C	FU0601G12R301	47992	12136591
R-12	102	810.8	06/20/05	WG	Temperature	25	C	FU0506G12R301	47992	10611121
R-12	102	810.8	08/01/02	WG	Temperature	23	C	FU0207G12R301	47992	6399041
R-12	12	468.1	07/11/06	WG	Turbidity	1.06	NTU	FU06050G12R101	47992	12571481
R-12	12	468.1	02/02/06	WG	Turbidity	0.88	NTU	FU0601G12R101	47992	12136411
R-12	12	468.1	06/30/05	WG	Turbidity	34	NTU	FU0506G12R102	47992	10611531
R-12	12	468.1	07/31/02	WG	Turbidity	3.69	NTU	FU0207G12R101	47992	6399771
R-12	52	507	07/12/06	WG	Turbidity	0.86	NTU	FU06050G12R201	47992	12571521
R-12	52	507	02/01/06	WG	Turbidity	0.47	NTU	FU0601G12R201	47992	12136541
R-12	52	507	08/01/02	WG	Turbidity	0.65	NTU	FU0207G12R201	47992	6399011
R-12	102	810.8	01/31/06	WG	Turbidity	0.59	NTU	FU0601G12R301	47992	12136601
R-12	102	810.8	06/20/05	WG	Turbidity	0.63	NTU	FU0506G12R301	47992	10611111
R-12	102	810.8	08/01/02	WG	Turbidity	3.16	NTU	FU0207G12R301	47992	6399051
R-12	12	468.1	07/11/06	WG	pH	9.03	SU	FU06050G12R101	47992	12571491
R-12	12	468.1	02/02/06	WG	pH	8.96	SU	FU0601G12R101	47992	12136421
R-12	12	468.1	06/30/05	WG	pH	8.28	SU	FU0506G12R102	47992	10611521
R-12	12	468.1	06/16/05	WG	pH	8.93	SU	FU0506G12R101	47992	10611011
R-12	52	507	07/12/06	WG	pH	8.96	SU	FU06050G12R201	47992	12571531
R-12	52	507	02/01/06	WG	pH	9.1	SU	FU0601G12R201	47992	12136551
R-12	52	507	08/01/02	WG	pH	9.32	SU	FU0207G12R201	47992	6399021
R-12	102	810.8	01/31/06	WG	pH	8.05	SU	FU0601G12R301	47992	12136611

Table B-1 (continued)

Location	Port	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample	Uli	Uri
R-12	102	810.8	06/20/05	WG	pH	8.22	SU	FU0506G12R301	47992	10611101
Sandia below Wetlands			07/12/06	WP	Dissolved Oxygen	7.02	mg/L	FU060600P12301	91	12571541
Sandia below Wetlands			05/17/06	WP	Dissolved Oxygen	6.23	mg/L	FN060500P12301	91	12495561
Sandia below Wetlands			06/08/05	WS	Dissolved Oxygen	7.85	mg/L	FU05060P12301	91	10505361
Sandia below Wetlands			07/12/06	WP	Specific Conductance	5.44	uS/cm	FU060600P12301	91	12571551
Sandia below Wetlands			05/17/06	WP	Specific Conductance	579	uS/cm	FN060500P12301	91	12495581
Sandia below Wetlands			06/08/05	WS	Specific Conductance	672	uS/cm	FU05060P12301	91	10505351
Sandia below Wetlands			06/07/04	WS	Specific Conductance	627	uS/cm	FU04060W12301	91	9096151
Sandia below Wetlands			07/24/03	WS	Specific Conductance	936	uS/cm	FU03070W12301	91	7142461
Sandia below Wetlands			07/12/06	WP	Temperature	21.8	C	FU060600P12301	91	12571561
Sandia below Wetlands			05/17/06	WP	Temperature	15	C	FN060500P12301	91	12495591
Sandia below Wetlands			06/08/05	WS	Temperature	16.7	C	FU05060P12301	91	10505341
Sandia below Wetlands			06/07/04	WS	Temperature	16.2	C	FU04060W12301	91	9096141
Sandia below Wetlands			07/24/03	WS	Temperature	20.1	C	FU03070W12301	91	7142471
Sandia below Wetlands			07/12/06	WP	Turbidity	15.1	NTU	FU060600P12301	91	12571571
Sandia below Wetlands			05/17/06	WP	Turbidity	19.5	NTU	FN060500P12301	91	12495601
Sandia below Wetlands			06/08/05	WS	Turbidity	41.3	NTU	FU05060P12301	91	10505331
Sandia below Wetlands			06/07/04	WS	Turbidity	9.99	NTU	FU04060W12301	91	9096161
Sandia below Wetlands			07/24/03	WS	Turbidity	9.99	NTU	FU03070W12301	91	7142481
Sandia below Wetlands			07/12/06	WP	pH	7.71	SU	FU060600P12301	91	12571581
Sandia below Wetlands			05/17/06	WP	pH	7.89	SU	FN060500P12301	91	12495611
Sandia below Wetlands			06/08/05	WS	pH	7.99	SU	FU05060P12301	91	10505321
Sandia below Wetlands			06/07/04	WS	pH	7.77	SU	FU04060W12301	91	9096131

Table B-1 (continued)

Location	Port	Depth (ft)	Date	Fld Matrix	Analyte	Result	Units	Sample	Uli	Uri
Sandia below Wetlands			07/24/03	WS	pH	7.9	SU	FU03070W12301	91	7142491
South Fork of Sandia Canyon at E122			06/29/06	WP	Dissolved Oxygen	4.93	mg/L	FU060600PSFS01	24251	12569271
South Fork of Sandia Canyon at E122			05/17/06	WP	Dissolved Oxygen	5.75	mg/L	FN060500PSFS01	24251	12495621
South Fork of Sandia Canyon at E122			06/29/06	WP	Instantaneous Stream Flow	0.057		FN060600PSFS01	24251	12569281
South Fork of Sandia Canyon at E122			05/17/06	WP	Instantaneous Stream Flow	0.045		FN060500PSFS01	24251	12495631
South Fork of Sandia Canyon at E122			06/29/06	WP	Specific Conductance	385	uS/cm	FU060600PSFS01	24251	12569291
South Fork of Sandia Canyon at E122			05/17/06	WP	Specific Conductance	359	uS/cm	FN060500PSFS01	24251	12495641
South Fork of Sandia Canyon at E122			06/29/06	WP	Temperature	19	C	FU060600PSFS01	24251	12569301
South Fork of Sandia Canyon at E122			05/17/06	WP	Temperature	16.3	C	FN060500PSFS01	24251	12495651
South Fork of Sandia Canyon at E122			06/29/06	WP	Turbidity	2.43	NTU	FU060600PSFS01	24251	12569311
South Fork of Sandia Canyon at E122			05/17/06	WP	Turbidity	4.18	NTU	FN060500PSFS01	24251	12495661
South Fork of Sandia Canyon at E122			06/29/06	WP	pH	8.36	SU	FU060600PSFS01	24251	12569321
South Fork of Sandia Canyon at E122			05/17/06	WP	pH	8.25	SU	FN060500PSFS01	24251	12495671

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Appendix C

Groundwater Level Measurements (Including this Periodic Monitoring and Last Three Events)

Table C-1
Groundwater Level Measurements

Location	Port Depth (ft)	Port Common Name	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)	Uli
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Transducer	07/10/06	5838.22	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Manual	05/17/06	5838.28	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Transducer	04/20/06	5838.63	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Transducer	02/03/06	5838.75	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Manual	11/09/05	5838.19	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Transducer	11/08/05	5838.29	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Transducer	08/03/05	5838.4	19711
R-11	855	Single Completion	22.9	855	877.9	4.46	5.27	Transducer	05/17/05	5838.99	19711
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	07/11/06	6072.57	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	02/02/06	6072.92	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	06/16/05	6072.68	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	06/02/04	6071.67	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	02/02/04	6071.55	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	07/31/02	6075.85	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	09/07/01	6076.79	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	06/13/01	6078.06	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	03/14/01	6077.09	47992
R-12	468.1	MP1A	8.5	459	467.5	4.5	5.1	Transducer	09/18/00	6078.04	47992
R-12	507	MP2A	3.5	504.5	508	4.5	5.1	Transducer	01/28/04	6072.78	47992
R-12	507	MP2A	3.5	504.5	508	4.5	5.1	Transducer	08/01/02	6076.33	47992
R-12	507	MP2A	3.5	504.5	508	4.5	5.1	Transducer	09/10/01	6077.37	47992
R-12	507	MP2A	3.5	504.5	508	4.5	5.1	Transducer	06/13/01	6078.57	47992
R-12	507	MP2A	3.5	504.5	508	4.5	5.1	Transducer	03/15/01	6078.5	47992
R-12	507	MP2A	3.5	504.5	508	4.5	5.1	Transducer	09/19/00	6078.41	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	07/12/06	5695.03	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	01/31/06	5695.19	47992

Table C-1 (continued)

Location	Port Depth (ft)	Port Common Name	Screen Interval (ft)	Top Depth (ft)	Bottom Depth (ft)	Inner Diam (in)	Outer Diam (in)	Method	Measurement Date	Water Level (ft)	Uli
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	06/20/05	5695.54	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	06/03/04	5695.42	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	01/27/04	5696.32	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	09/11/01	5695.79	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	06/14/01	5697.04	47992
R-12	810.8	MP3A	38	801	839	4.5	5.1	Transducer	09/20/00	5696.3	47992

Appendix D

Analytical Results (Including this Periodic Monitoring and Last Three Events)

This appendix contains three tables: analytical data for the last 4 monitoring events, when available, for all periodic monitoring locations within the watershed (D-1); applicable regulatory standards, cleanup levels, cleanup goals and background concentrations for groundwater (D-2) and for surface water (D-3); and data quality exceptions and effects pertinent to this periodic monitoring event (D-4).

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Table D-1
Analytical Results

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3		1.13			0.725	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	310.1	Alkalinity-CO3		0.819			0.725	mg/L	J		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		133			0.725	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		133			0.725	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	350.1	Ammonia as Nitrogen		0.069			0.01	mg/L		J-	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.042			0.01	mg/L	J	J-, JN-	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	300	Bromide		0.206			0.066	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	300	Bromide		0.164			0.066	mg/L	J		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	6010	Calcium		22.1			0.036	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	6010	Calcium		22.7			0.036	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	300	Chloride		64.7			0.66	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	300	Chloride		63.3			0.66	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	300	Fluoride		0.473			0.033	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	300	Fluoride		0.47			0.033	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	A2340	Hardness		77.8			0.02	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	A2340	Hardness		75.6			0.02	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	6010	Magnesium		5.67			0.085	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	6010	Magnesium		5.8			0.085	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	353.1	Nitrate-Nitrite as N		1.13			0.014	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		1.12			0.014	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	6850	Perchlorate		0.324			0.05	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	6010	Potassium		11.7			0.05	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	6010	Potassium		11.6			0.05	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	6010	Silicon Dioxide		89.9			0.032	mg/L		J-	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	6010	Silicon Dioxide		92.3			0.032	mg/L		J-	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	6010	Sodium		80.9			0.045	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	6010	Sodium		83.9			0.045	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	120.1	Specific Conductance		579			1	uS/cm			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	120.1	Specific Conductance		583			1	uS/cm			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	300	Sulfate		15			0.1	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	300	Sulfate		15.1			0.1	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	160.2	Suspended Sediment Concentration		2.44			1.27	mg/L	J		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	160.1	Total Dissolved Solids		390			2.38	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	160.1	Total Dissolved Solids		397			2.38	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.404			0.01	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.68			0.01	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	9060	Total Organic Carbon		7.41			0.33	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.15			0.01	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.11			0.01	mg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Inorg	150.1	pH		7.86			0.01	SU	H	J	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Inorg	150.1	pH		7.87			0.01	SU	H	J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Aluminum		326			68	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Barium		36.5			1	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Barium		40.2			1	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Boron		63			10	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Boron		64.7			10	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6020	Chromium		9.7			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6020	Chromium		11.7			1	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Copper		4.7			3	µg/L	J		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Copper		4.9			3	µg/L	J		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Iron	<	85.4			18	µg/L	J	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Iron		231			18	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6020	Lead		0.66			0.5	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Manganese		14.2			2	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Manganese		19.4			2	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Molybdenum		16.6			2	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Molybdenum		17.2			2	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6020	Silver	<	0.2			0.2	µg/L	U		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6020	Silver		0.24			0.2	µg/L	J		GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Strontium		103			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Strontium		106			1	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6020	Uranium		1.2			0.05	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6020	Uranium		1.3			0.05	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Vanadium		9.3			1	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Vanadium		9.8			1	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Met	6010	Zinc		20.3			2	µg/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Met	6010	Zinc		25.8			2	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	H300	Americium-241		-0.000295	0.00179	0.0201		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	H300	Americium-241		-0.0000755	0.00184	0.0207		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	901.1	Cesium-137		1.45	1.35	5.15		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	901.1	Cesium-137		-0.69	1.2	4.16		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	901.1	Cobalt-60		0.193	1.06	4.18		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	901.1	Cobalt-60		0.852	1.19	4.77		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	900	Gross alpha		0.596	0.376	1.34		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	900	Gross alpha		0.161	0.386	1.42		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	900	Gross beta		11.8	1.01	2.9		pCi/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	900	Gross beta		11.7	0.908	1.75		pCi/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	901.1	Gross gamma		84.7	75.5	314		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	901.1	Gross gamma		93.3	87.9	304		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	901.1	Neptunium-237		-11.8	9.45	27.8		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	901.1	Neptunium-237		-0.782	8.06	28.3		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	H300	Plutonium-238		0.00313	0.00314	0.0151		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	H300	Plutonium-238		0.00322	0.00322	0.0154		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	H300	Plutonium-239/240		0	0.00443	0.0175		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	H300	Plutonium-239/240		0.00161	0.00278	0.018		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	901.1	Potassium-40		27.2	19.6	48.9		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	901.1	Potassium-40		18	25.1	36.5		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	901.1	Sodium-22		0.906	1.45	5.03		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	901.1	Sodium-22		-1.21	1.08	3.74		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	905.0	Strontium-90		0.183	0.0788	0.286		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	905.0	Strontium-90		-0.0617	0.0825	0.343		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	LLEE	Tritium		121.0147	3.8316	0.28737		pCi/L			UMTL
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	H300	Uranium-234		0.538	0.0483	0.0505		pCi/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	H300	Uranium-234		0.55	0.0475	0.0457		pCi/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	H300	Uranium-235/236		0.0329	0.011	0.0426		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	H300	Uranium-235/236		0.0244	0.00909	0.0385		pCi/L	U	U	GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	F	CS		Rad	H300	Uranium-238		0.555	0.0493	0.0538		pCi/L			GELC
Middle Sandia Canyon at terminus of persistent baseflow		07/12/06	WP	UF	CS		Rad	H300	Uranium-238		0.528	0.0462	0.0486		pCi/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3	<	0.725			0.725	mg/L	U		GELC
R-11	855	07/10/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3	<	0.725			0.725	mg/L	U		GELC
R-11	855	02/03/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-11	855	05/17/05	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-11	855	05/17/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	0.725			0.725	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3		0.725			0.725	mg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3	<	0.725			0.725	mg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3		70.6			0.725	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		71.1			0.725	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		68.4			1.45	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3		68.7			1.45	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		68.7			1.45	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		68			1.45	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3		1.58			0.725	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3		71.1			0.725	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		71.1			0.725	mg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	6010	Calcium		21.1			0.036	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	6010	Calcium		21.6			0.036	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	6010	Calcium		20.5			0.036	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS	FD	Inorg	6010	Calcium		20.6			0.036	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	6010	Calcium		20.4			0.036	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	6010	Calcium		20.9			0.036	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.159			0.036	mg/L		U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	6010	Calcium		20.5			0.036	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	6010	Calcium		20.5			0.036	mg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	6010	Calcium		20.6			0.036	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	6010	Calcium		21.1			0.036	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	6010	Calcium		21.3			0.036	mg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	6010	Calcium		20.9			0.036	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	410.4	Chemical Oxygen Demand		10.1			0.89	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	410.4	Chemical Oxygen Demand		16.2			0.89	mg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	300	Chloride		4.25			0.066	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	F	CS		Inorg	300	Chloride		4.3			0.066	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	300	Chloride		4.07			0.053	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	300	Chloride		3.75			0.053	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	300	Chloride		3.75			0.053	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	300	Chloride		3.63			0.053	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	300	Chloride	<	0.066			0.066	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	300	Chloride		4.1			0.066	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	300	Chloride		4.12			0.066	mg/L			GELC
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053			0.053	mg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	300	Fluoride		0.36			0.033	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	300	Fluoride		0.427			0.033	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	300	Fluoride		0.469			0.03	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	300	Fluoride		0.464			0.03	mg/L		J+	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Inorg	300	Fluoride		0.467			0.03	mg/L		J+	GELC
R-11	855	08/03/05	WG	F	CS		Inorg	300	Fluoride		0.244			0.03	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.033			0.033	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	300	Fluoride		0.473			0.033	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	300	Fluoride		0.418			0.033	mg/L			GELC
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03			0.03	mg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	A2340	Hardness		75.4			0.085	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	A2340	Hardness		77.2			0.085	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	A2340	Hardness		74.8			0.085	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	A2340	Hardness		0.54			0.085	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	A2340	Hardness		73.4			0.085	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	A2340	Hardness		73.3			0.085	mg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	A2340	Hardness		75			0.085	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	F	CS	FD	Inorg	6010	Magnesium		5.51			0.085	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	6010	Magnesium		5.62			0.085	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	6010	Magnesium		5.71			0.085	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	6010	Magnesium		5.57			0.085	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	6010	Magnesium		5.51			0.085	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	6010	Magnesium		5.53			0.085	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085			0.085	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	6010	Magnesium		5.37			0.085	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	6010	Magnesium		5.36			0.085	mg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	6010	Magnesium		5.73			0.085	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	6010	Magnesium		5.7			0.085	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	6010	Magnesium		5.74			0.085	mg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	6010	Magnesium		5.55			0.085	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		5.18			0.07	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N		5.07			0.07	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N		4.06			0.085	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		3.45			0.17	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N		3.72			0.17	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N		3.41			0.17	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.014			0.014	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		4.53			0.07	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		4.58			0.07	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		3.82			0.17	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		4.54			0.085	mg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		3.26			0.17	mg/L			GELC
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.003			0.003	mg/L	U	R	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	05/17/05	WG	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		3.66			0.03	mg/L			GELC
R-11	855	05/17/05	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		3.82			0.03	mg/L			GELC
R-11	855	07/10/06	WG	F	CS	FB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FB	Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	6850	Perchlorate		0.797			0.05	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS		Inorg	6850	Perchlorate		0.807			0.05	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	02/03/06	WG	F	CS		Inorg	6850	Perchlorate		0.716			0.05	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	6850	Perchlorate		0.704			0.05	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	6850	Perchlorate		0.73			0.05	µg/L		J+	GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	6850	Perchlorate		0.742			0.05	µg/L		J+	GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	6850	Perchlorate		0.766			0.05	µg/L			GELC
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-11	855	05/17/05	WG	UF	CS	FD	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	05/17/05	WG	UF	CS	FD	Inorg	6850	Perchlorate		0.723			0.05	µg/L			GELC
R-11	855	05/17/05	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-11	855	05/17/05	WG	UF	CS		Inorg	6850	Perchlorate		0.715			0.05	µg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	6010	Potassium		1.41			0.05	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	6010	Potassium		1.49			0.05	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	02/03/06	WG	F	CS		Inorg	6010	Potassium		1.41			0.05	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	6010	Potassium		1.44			0.05	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	6010	Potassium		1.4			0.05	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	6010	Potassium		1.39			0.05	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05			0.05	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	6010	Potassium		1.38			0.05	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	6010	Potassium		1.4			0.05	mg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	6010	Potassium		1.45			0.05	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	6010	Potassium		1.44			0.05	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	6010	Potassium		1.47			0.05	mg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	6010	Potassium		1.4			0.05	mg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	6010	Silicon Dioxide		73			0.032	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	6010	Silicon Dioxide		73.5			0.032	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	02/03/06	WG	F	CS		Inorg	6010	Silicon Dioxide		75.4			0.032	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	6010	Silicon Dioxide		73.4			0.032	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	6010	Silicon Dioxide		73.2			0.032	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	6010	Silicon Dioxide		71.1			0.032	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide		0.12			0.032	mg/L	J	J-	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide		71.2			0.032	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		70.6			0.032	mg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		74.9			0.032	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	6010	Silicon Dioxide		74.7			0.032	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	6010	Silicon Dioxide		74.9			0.032	mg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	6010	Silicon Dioxide		71.6			0.032	mg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	6010	Sodium		12			0.045	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	6010	Sodium		12.5			0.045	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	02/03/06	WG	F	CS		Inorg	6010	Sodium		11.6			0.045	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	6010	Sodium		11.3			0.045	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	6010	Sodium		11.3			0.045	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	6010	Sodium		11.7			0.045	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.225			0.045	mg/L		U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	6010	Sodium		11.7			0.045	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	6010	Sodium		11.8			0.045	mg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Inorg	6010	Sodium		11.7			0.045	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	6010	Sodium		11.6			0.045	mg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	6010	Sodium		11.5			0.045	mg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	6010	Sodium		11.7			0.045	mg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	120.1	Specific Conductance		207			1	uS/cm			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	120.1	Specific Conductance		208			1	uS/cm			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	02/03/06	WG	F	CS		Inorg	120.1	Specific Conductance		197			1	uS/cm			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	120.1	Specific Conductance		1.48			1	uS/cm			GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	120.1	Specific Conductance		234			1	uS/cm			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	120.1	Specific Conductance		236			1	uS/cm			GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	300	Sulfate		7.96			0.1	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	300	Sulfate		8.04			0.1	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	300	Sulfate		7.09			0.057	mg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Inorg	300	Sulfate		6.54			0.057	mg/L			GELC
R-11	855	11/08/05	WG	F	CS		Inorg	300	Sulfate		6.61			0.057	mg/L			GELC
R-11	855	08/03/05	WG	F	CS		Inorg	300	Sulfate		6.29			0.057	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	300	Sulfate		0.327			0.1	mg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	300	Sulfate		7.77			0.1	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	300	Sulfate		7.7			0.1	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057			0.057	mg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	160.1	Total Dissolved Solids		196			2.38	mg/L			GELC
R-11	855	07/10/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		198			2.38	mg/L			GELC
R-11	855	02/03/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		194			2.38	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	2.38			2.38	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	160.1	Total Dissolved Solids		193			2.38	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		197			2.38	mg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.33			0.33	mg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon		0.338			0.33	mg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	9060	Total Organic Carbon		0.452			0.33	mg/L	J		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon		0.835			0.074	mg/L	J	J-	GELC
R-11	855	11/08/05	WG	UF	CS		Inorg	9060	Total Organic Carbon	<	0.574			0.074	mg/L	J	J-, U	GELC
R-11	855	08/03/05	WG	UF	CS		Inorg	9060	Total Organic Carbon	<	0.49			0.074	mg/L		J, U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	05/17/05	WG	UF	CS	FB	Inorg	9060	Total Organic Carbon	<	0.141			0.074	mg/L	J	UJ	GELC
R-11	855	05/17/05	WG	UF	CS	FD	Inorg	9060	Total Organic Carbon	<	0.252			0.074	mg/L		UJ	GELC
R-11	855	05/17/05	WG	UF	CS		Inorg	9060	Total Organic Carbon	<	0.263			0.074	mg/L		UJ	GELC
R-11	855	07/10/06	WG	F	CS	FD	Inorg	150.1	pH		7.98			0.01	SU	H	J	GELC
R-11	855	07/10/06	WG	F	CS		Inorg	150.1	pH		8.01			0.01	SU	H	J	GELC
R-11	855	02/03/06	WG	F	CS		Inorg	150.1	pH		7.9			0.01	SU	H	J	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Inorg	150.1	pH		5.74			0.01	SU	H	J	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Inorg	150.1	pH		7.93			0.01	SU	H	J	GELC
R-11	855	07/10/06	WG	UF	CS		Inorg	150.1	pH		7.99			0.01	SU	H	J	GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Aluminum	<	68			68	µg/L	U*		GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Aluminum		75			68	µg/L	J*		GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Aluminum	<	68			68	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Aluminum	<	68			68	µg/L	U*		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Aluminum	<	68			68	µg/L	U*		GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Aluminum	<	68			68	µg/L	U*		GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Barium		39.1			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Barium		42.2			1	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Barium		38			1	µg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Barium		37.7			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Barium		37.4			1	µg/L			GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Barium		36.1			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Barium		1			1	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Barium		37.4			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Barium		38.2			1	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Barium		37.9			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Barium		38.5			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Barium		39			1	µg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Barium		36			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Boron		28.1			10	µg/L	J		GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Boron		29			10	µg/L	J		GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Boron		30.6			10	µg/L	J		GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Boron		28.9			10	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Boron		30.4			10	µg/L	J		GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Boron		28.9			10	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Boron	<	10			10	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Boron		27.7			10	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Boron		27.9			10	µg/L	J		GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Boron		30.3			10	µg/L	J		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Boron		30			10	µg/L	J		GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Boron		29.2			10	µg/L	J		GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Boron		28.6			10	µg/L	J		GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6020	Chromium		27.3			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Met	6020	Chromium		27.9			1	µg/L			GELC
R-11	855	04/20/06	WG	F	CS		Met	6020	Chromium		28.1			1	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Chromium		25.5			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Chromium		21.2			1	µg/L			GELC
R-11	855	11/08/05	WG	F	CS		Met	6010	Chromium		20.7			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6020	Chromium	<	2.7			1	µg/L	J	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6020	Chromium		28.8			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Met	6020	Chromium		30.9			1	µg/L			GELC
R-11	855	04/20/06	WG	UF	CS		Met	6020	Chromium		25.2			1	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Chromium		25.1			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Chromium		21.3			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Chromium		21.8			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Copper		3.6			3	µg/L	J		GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Copper	<	3			3	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Copper		3.1			3	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Copper		3.1			3	µg/L	J		GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Copper		6			3	µg/L	J		GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Copper		3.5			3	µg/L	J		GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Iron	<	24.8			18	µg/L	J	U	GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Iron	<	62.3			18	µg/L	J	U	GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Iron		18.4			18	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Iron		20.8			18	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Iron	<	39.6			18	µg/L	J	U	GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Iron		51.7			18	µg/L	J		GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Manganese		2.4			2	µg/L	J		GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6020	Manganese	<	1			1	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6020	Manganese	<	1			1	µg/L	U		GELC
R-11	855	08/03/05	WG	F	CS		Met	6020	Manganese	<	1			1	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6020	Manganese	<	1			1	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS		Met	6020	Manganese	<	1			1	µg/L	U		GELC
R-11	855	08/03/05	WG	UF	CS		Met	6020	Manganese	<	1			1	µg/L	U		GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6020	Nickel		1.6			0.5	µg/L	J		GELC
R-11	855	07/10/06	WG	F	CS		Met	6020	Nickel		1.6			0.5	µg/L	J		GELC
R-11	855	02/03/06	WG	F	CS		Met	6020	Nickel		0.85			0.5	µg/L	J		GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Nickel	<	1			1	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Nickel		1			1	µg/L	J		GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Nickel		1			1	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6020	Nickel	<	0.5			0.5	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6020	Nickel		0.94			0.5	µg/L	J		GELC
R-11	855	07/10/06	WG	UF	CS		Met	6020	Nickel		1.1			0.5	µg/L	J		GELC
R-11	855	02/03/06	WG	UF	CS		Met	6020	Nickel		0.87			0.5	µg/L	J		GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Nickel	<	1			1	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Nickel	<	1			1	µg/L	U		GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Nickel		1.4			1	µg/L	J		GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Strontium		87			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Strontium		90.5			1	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Strontium		83.1			1	µg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Strontium		83.4			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Strontium		83.1			1	µg/L			GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Strontium		83.3			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Strontium	<	1			1	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Strontium		84.2			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Strontium		84.4			1	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Strontium		83			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Strontium		86.3			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Strontium		86.2			1	µg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Strontium		83.3			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6020	Uranium		0.77			0.05	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Met	6020	Uranium		0.77			0.05	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Met	6020	Uranium		0.73			0.05	µg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6020	Uranium		0.71			0.05	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6020	Uranium		0.72			0.05	µg/L			GELC
R-11	855	08/03/05	WG	F	CS		Met	6020	Uranium		0.71			0.05	µg/L		J-	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6020	Uranium	<	0.05			0.05	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6020	Uranium		0.75			0.05	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Met	6020	Uranium		0.76			0.05	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Met	6020	Uranium		0.75			0.05	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6020	Uranium		0.69			0.05	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Met	6020	Uranium		0.72			0.05	µg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Met	6020	Uranium		0.71			0.05	µg/L		J-	GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Vanadium		7.6			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Vanadium		8.5			1	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Vanadium		6.5			1	µg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Vanadium		7.6			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Vanadium		7.4			1	µg/L			GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Vanadium		6.8			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Vanadium		7			1	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Vanadium		7.1			1	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Vanadium		6.5			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Vanadium		7.3			1	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Vanadium		7.4			1	µg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Vanadium		6.9			1	µg/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Met	6010	Zinc		27.3			2	µg/L			GELC
R-11	855	07/10/06	WG	F	CS		Met	6010	Zinc		37			2	µg/L			GELC
R-11	855	02/03/06	WG	F	CS		Met	6010	Zinc		17.6			2	µg/L			GELC
R-11	855	11/08/05	WG	F	CS	FD	Met	6010	Zinc		11.2			2	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	F	CS		Met	6010	Zinc		16			2	µg/L			GELC
R-11	855	08/03/05	WG	F	CS		Met	6010	Zinc	<	14.3			2	µg/L		U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Met	6010	Zinc	<	6.8			2	µg/L	J	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Met	6010	Zinc		21.1			2	µg/L			GELC
R-11	855	07/10/06	WG	UF	CS		Met	6010	Zinc		25.1			2	µg/L			GELC
R-11	855	02/03/06	WG	UF	CS		Met	6010	Zinc		19.9			2	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Met	6010	Zinc		11.8			2	µg/L			GELC
R-11	855	11/08/05	WG	UF	CS		Met	6010	Zinc		12.1			2	µg/L			GELC
R-11	855	08/03/05	WG	UF	CS		Met	6010	Zinc	<	11.5			2	µg/L		U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	H300	Americium-241		0.0235	0.0177	0.029		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	H300	Americium-241		-0.00337	0.00652	0.0228		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	H300	Americium-241		-0.0935	0.0141	0.0211		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	H300	Americium-241		0.00681	0.00553	0.0229		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	UF	CS		Rad	H300	Americium-241		-0.00396	0.00335	0.0195		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	H300	Americium-241		0.00371	0.00534	0.0291		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	H300	Americium-241		0.00542	0.00414	0.0294		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	H300	Americium-241		0.00695	0.00385	0.0335		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	H300	Americium-241		0.00965	0.0129	0.042		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	901.1	Cesium-137		1.47	1.36	5.37		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	901.1	Cesium-137		1.99	1.72	6.6		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	901.1	Cesium-137		-0.457	0.897	3.14		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	901.1	Cesium-137		0.0414	1.19	4.25		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	901.1	Cesium-137		2.07	1.14	4.54		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	901.1	Cesium-137		-0.546	0.827	2.86		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	901.1	Cesium-137		1.08	0.713	2.31		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	901.1	Cesium-137		-0.467	0.751	2.54		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	08/03/05	WG	UF	CS		Rad	901.1	Cesium-137		2.48	1.08	3.34		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	901.1	Cobalt-60		0.925	1.04	4.42		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	901.1	Cobalt-60		-1.63	1.6	5.36		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	901.1	Cobalt-60		-0.0943	1.05	3.93		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	901.1	Cobalt-60		0.469	1.21	4.63		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	901.1	Cobalt-60		0.279	1.47	4.89		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	901.1	Cobalt-60		0.392	0.853	3.25		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	901.1	Cobalt-60		0.24	0.685	2.56		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	901.1	Cobalt-60		0.88	0.778	3.02		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	901.1	Cobalt-60		-0.775	1.18	3.52		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	900	Gross alpha		-0.0377	0.577	2.86		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	900	Gross alpha		0.235	0.337	1.58		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	900	Gross alpha		0.748	0.37	1.24		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	UF	CS	FD	Rad	900	Gross alpha		1.14	0.611	2.32		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	900	Gross alpha		0.214	0.294	1.15		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	900	Gross alpha		1.25	0.425	1.1		pCi/L		J, J-	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	900	Gross beta		1.48	0.619	2.29		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	900	Gross beta		1.27	0.631	2.37		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	900	Gross beta		-0.777	0.516	2.17		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	900	Gross beta		1.55	0.636	2.37		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	900	Gross beta		1.98	0.652	2.4		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	900	Gross beta		1.78	0.475	1.47		pCi/L		J	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	901.1	Gross gamma		96.8	150	222		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	901.1	Gross gamma		141	122	337		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	901.1	Gross gamma		94.5	98.7	319		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	901.1	Gross gamma		95.6	73.4	257		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	UF	CS		Rad	901.1	Gross gamma		48.2	45.6	190		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	901.1	Gross gamma		134	114	345		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	901.1	Neptunium-237		19.5	8.78	30.7		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	901.1	Neptunium-237		12.8	19.1	40		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	901.1	Neptunium-237		-11.6	8.1	27.2		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	901.1	Neptunium-237		3.97	8.79	28.5		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	901.1	Neptunium-237		-7.98	8.13	27.8		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	901.1	Neptunium-237		3.43	7.44	20.6		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	H300	Plutonium-238		-0.00181	0.00405	0.0174		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	H300	Plutonium-238		0	0.00666	0.0185		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	H300	Plutonium-238		0.00408	0.00289	0.0196		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	H300	Plutonium-238		0.00914	0.0055	0.0176		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	H300	Plutonium-238		0.00635	0.0193	0.0203		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	02/03/06	WG	UF	CS		Rad	H300	Plutonium-238		-0.00733	0.00934	0.022		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	H300	Plutonium-238		-0.00452	0.00639	0.0469		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	H300	Plutonium-238		-0.0178	0.0121	0.0411		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	H300	Plutonium-238		0.0089	0.0148	0.062		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	H300	Plutonium-239/240		0.00724	0.00445	0.0203		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	H300	Plutonium-239/240		0.0135	0.0084	0.0215		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	H300	Plutonium-239/240		0.00816	0.00578	0.0228		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	H300	Plutonium-239/240		0.00548	0.00409	0.0205		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	H300	Plutonium-239/240		0.00423	0.00423	0.0237		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	H300	Plutonium-239/240		-0.00915	0.0055	0.0241		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	H300	Plutonium-239/240		-0.0384	0.0204	0.0396		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	H300	Plutonium-239/240		-0.00198	0.0095	0.0347		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	H300	Plutonium-239/240		-0.00593	0.00938	0.052		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	F	CS	FD	Rad	901.1	Potassium-40		20.1	12.8	55.8		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	901.1	Potassium-40		32	15.8	69.5		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	901.1	Potassium-40		34.6	13.8	57.5		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	901.1	Potassium-40		18.4	15.1	55.2		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	901.1	Potassium-40		52.8	14.9	66.1		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	901.1	Potassium-40		58.9	16.9	25.2		pCi/L	UI	R	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	901.1	Potassium-40		6.5	14.1	27.9		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	901.1	Potassium-40		13.8	18.2	22.5		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	901.1	Potassium-40		7.95	18.1	34.5		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	901.1	Sodium-22		-1.22	0.962	3.14		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	901.1	Sodium-22		-3.1	1.64	5.01		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	901.1	Sodium-22		-0.596	0.971	3.48		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	901.1	Sodium-22		0.887	1.08	4.35		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	UF	CS		Rad	901.1	Sodium-22		0.266	0.876	3.57		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	901.1	Sodium-22		-0.0853	0.817	2.66		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	901.1	Sodium-22		-0.0965	0.776	2.79		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	901.1	Sodium-22		-0.782	0.721	2.47		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	901.1	Sodium-22		2.04	0.857	3.72		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	905.0	Strontium-90		0.5	0.101	0.323		pCi/L		J	GELC
R-11	855	07/10/06	WG	F	CS		Rad	905.0	Strontium-90		-0.00547	0.0842	0.417		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	905.0	Strontium-90		0.0957	0.0855	0.378		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	905.0	Strontium-90		0.039	0.0767	0.361		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	905.0	Strontium-90		-0.117	0.0711	0.407		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	905.0	Strontium-90		-0.0382	0.0696	0.298		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	905.0	Strontium-90		-0.0155	0.0753	0.374		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS		Rad	905.0	Strontium-90		-0.0423	0.0985	0.481		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	08/03/05	WG	UF	CS		Rad	905.0	Strontium-90		-0.0474	0.0817	0.278		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	LLEE	Tritium		0.19158	0.28737	0.28737		pCi/L		U	UMTL
R-11	855	07/10/06	WG	UF	CS	FD	Rad	LLEE	Tritium		11.01585	0.35123	0.28737		pCi/L			UMTL
R-11	855	07/10/06	WG	UF	CS		Rad	LLEE	Tritium		11.1755	0.38316	0.28737		pCi/L			UMTL
R-11	855	02/03/06	WG	UF	CS		Rad	LLEE	Tritium		8.17408	0.28737	0.28737		pCi/L			UMTL
R-11	855	11/08/05	WG	UF	CS	FD	Rad	LLEE	Tritium		7.05653	0.28737	0.28737		pCi/L			UMTL
R-11	855	11/08/05	WG	UF	CS		Rad	LLEE	Tritium		7.12039	0.28737	0.28737		pCi/L			UMTL
R-11	855	08/03/05	WG	UF	CS		Rad	LLEE	Tritium		6.09863	0.3193	0.28737		pCi/L			UMTL
R-11	855	08/03/05	WG	UF	RE		Rad	LLEE	Tritium		7.79092	0.28737	0.28737		pCi/L			UMTL
R-11	855	08/03/05	WG	UF	REDP		Rad	LLEE	Tritium		7.31197	0.28737	0.28737		pCi/L			UMTL
R-11	855	07/10/06	WG	F	CS	FD	Rad	H300	Uranium-234		0.674	0.0542	0.0436		pCi/L			GELC
R-11	855	07/10/06	WG	F	CS		Rad	H300	Uranium-234		0.626	0.0544	0.0501		pCi/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	H300	Uranium-234		0.0417	0.0113	0.0396		pCi/L		J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	UF	CS	FD	Rad	H300	Uranium-234		0.595	0.0478	0.0385		pCi/L			GELC
R-11	855	07/10/06	WG	UF	CS		Rad	H300	Uranium-234		0.619	0.0523	0.0451		pCi/L			GELC
R-11	855	02/03/06	WG	UF	CS		Rad	H300	Uranium-234		0.621	0.0527	0.0861		pCi/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	H300	Uranium-234		0.557	0.0429	0.0745		pCi/L			GELC
R-11	855	11/08/05	WG	UF	CS		Rad	H300	Uranium-234		0.539	0.0421	0.074		pCi/L			GELC
R-11	855	08/03/05	WG	UF	CS		Rad	H300	Uranium-234		0.632	0.0526	0.085		pCi/L			GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	H300	Uranium-235/236		0.00774	0.00776	0.0367		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS		Rad	H300	Uranium-235/236		-0.0415	0.017	0.0422		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	H300	Uranium-235/236		-0.0117	0.00706	0.0334		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	H300	Uranium-235/236		0.0137	0.00564	0.0325		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS		Rad	H300	Uranium-235/236		0.0187	0.00894	0.0381		pCi/L	U	U	GELC
R-11	855	02/03/06	WG	UF	CS		Rad	H300	Uranium-235/236		0.0234	0.0111	0.0418		pCi/L	U	U	GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	H300	Uranium-235/236		0.0302	0.00962	0.0561		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	11/08/05	WG	UF	CS		Rad	H300	Uranium-235/236		0.039	0.0109	0.0557		pCi/L	U	U	GELC
R-11	855	08/03/05	WG	UF	CS		Rad	H300	Uranium-235/236		0.0342	0.012	0.064		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	F	CS	FD	Rad	H300	Uranium-238		0.271	0.0289	0.0463		pCi/L			GELC
R-11	855	07/10/06	WG	F	CS		Rad	H300	Uranium-238		0.257	0.0315	0.0532		pCi/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	Rad	H300	Uranium-238		0.0303	0.00906	0.0421		pCi/L	U	U	GELC
R-11	855	07/10/06	WG	UF	CS	FD	Rad	H300	Uranium-238		0.31	0.0302	0.041		pCi/L			GELC
R-11	855	07/10/06	WG	UF	CS		Rad	H300	Uranium-238		0.247	0.0277	0.048		pCi/L			GELC
R-11	855	02/03/06	WG	UF	CS		Rad	H300	Uranium-238		0.276	0.0311	0.0483		pCi/L			GELC
R-11	855	11/08/05	WG	UF	CS	FD	Rad	H300	Uranium-238		0.23	0.0258	0.0527		pCi/L			GELC
R-11	855	11/08/05	WG	UF	CS		Rad	H300	Uranium-238		0.211	0.0241	0.0524		pCi/L			GELC
R-11	855	08/03/05	WG	UF	CS		Rad	H300	Uranium-238		0.274	0.0304	0.06		pCi/L			GELC
R-11	855	07/10/06	WG	UF	CS	FB	SV	8270	Bis(2-ethylhexyl)phthalate		27.1			2.04	µg/L		J	GELC
R-11	855	07/10/06	WG	UF	CS	FD	SV	8270	Bis(2-ethylhexyl)phthalate	<	10			2	µg/L	U	UJ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-11	855	07/10/06	WG	UF	CS		SV	8270	Bis(2-ethylhexyl)phthalate	<	10.2			2.04	µg/L	U	UJ	GELC
R-11	855	02/03/06	WG	UF	CS	EQB	SV	8270	Bis(2-ethylhexyl)phthalate	<	10			2	µg/L	U	UJ	GELC
R-11	855	02/03/06	WG	UF	CS		SV	8270	Bis(2-ethylhexyl)phthalate	<	10.3			2.06	µg/L	U	UJ	GELC
R-11	855	02/03/06	WG	UF	RE		SV	8270	Bis(2-ethylhexyl)phthalate	<	10.2			2.04	µg/L	U	UJ	GELC
R-11	855	11/08/05	WG	UF	CS	FB	SV	8270	Bis(2-ethylhexyl)phthalate	<	10.6			2.13	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS	FD	SV	8270	Bis(2-ethylhexyl)phthalate	<	10.4			2.08	µg/L	U		GELC
R-11	855	11/08/05	WG	UF	CS		SV	8270	Bis(2-ethylhexyl)phthalate	<	10.9			2.17	µg/L	U		GELC
R-11	855	08/03/05	WG	UF	CS	FB	SV	8270	Bis(2-ethylhexyl)phthalate	<	10.3				µg/L	U	UJ	GELC
R-11	855	08/03/05	WG	UF	CS		SV	8270	Bis(2-ethylhexyl)phthalate	<	10.8				µg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3		2.42			0.725	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3		3.47			1.45	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3		1.56			1.45	mg/L	J		GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3		2.35			0.725	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U	UJ	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U	UJ	GELC
R-12	468.1	02/02/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		40.1			0.725	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		40.9			1.45	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		43.4			1.45	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3		0.0525				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		40.6			0.725	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3		2.04			1.45	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		34.1			1.45	mg/L		J	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	310.1	Alkalinity-CO3+HCO3		2.07			1.45	mg/L			GELC
R-12	468.1	02/02/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		45.5			1.45	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	F	CS		Inorg	350.1	Ammonia as Nitrogen		1.24			0.01	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	350.1	Ammonia as Nitrogen		1.4			0.01	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		1.21			0.01	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	<	0.05			0.05	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		1.37			0.01	mg/L			GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	350.1	Ammonia as Nitrogen	<	0.024			0.024	mg/L	U	R	GELC
R-12	468.1	02/02/04	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		1.66			0.024	mg/L			GELC
R-12	468.1	07/31/02	WG	UF	CS	EQB	Inorg	350.1	Ammonia as Nitrogen		0.05			0.024	mg/L			GELC
R-12	468.1	07/31/02	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		2.09			0.024	mg/L			GELC
R-12	468.1	07/31/02	WG	UF	DUP		Inorg	350.1	Ammonia as Nitrogen		2.09			0.024	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Calcium		3.59			0.036	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Calcium		3.5			0.036	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Calcium		3.96			0.036	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	6010	Calcium		3.03				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Calcium		3.72			0.036	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Calcium	<	0.036			0.036	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Calcium		4.16			0.036	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Calcium		3.7			0.036	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Calcium		3.61			0.00554	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	410.4	Chemical Oxygen Demand		29.5			0.89	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	300	Chloride		9.52			0.066	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	300	Chloride		9.52			0.053	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	300	Chloride		10.1			0.053	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	325.1	Chloride		11.2				mg/L		NQ	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Chloride		10.1				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	300	Chloride		9.64			0.066	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	300	Chloride	<	0.053			0.053	mg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	300	Chloride		10.3			0.0322	mg/L		J	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	300	Chloride	<	0.0322			0.0322	mg/L	U		GELC
R-12	468.1	02/02/04	WG	UF	CS		Inorg	300	Chloride		9.85			0.0322	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	300	Fluoride		0.6			0.033	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	300	Fluoride		0.619			0.03	mg/L		J+	GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	300	Fluoride		0.671			0.03	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Fluoride		0.195				mg/L		NQ	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Fluoride		0.557				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	300	Fluoride		0.599			0.033	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	300	Fluoride	<	0.03			0.03	mg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	300	Fluoride		0.66			0.0553	mg/L		J	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	300	Fluoride	<	0.0553			0.0553	mg/L	U	UJ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/04	WG	UF	CS		Inorg	300	Fluoride		0.653			0.0553	mg/L		J	GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	A2340	Hardness		10.5			0.02	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	A2340	Hardness		10.4			0.085	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	A2340	Hardness		11.9			0.085	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	A2340	Hardness		10.7			0.02	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	A2340	Hardness	<	0.085			0.085	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	A2340	Hardness		12.7			0.085	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	A2340	Hardness		11			0.085	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	200.7	Hardness		11.1			0.00554	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Magnesium		0.405			0.085	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Magnesium		0.392			0.085	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Magnesium		0.492			0.085	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	6010	Magnesium		0.569				mg/L		NQ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Magnesium		0.453			0.085	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Magnesium	<	0.085			0.085	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Magnesium		0.568			0.085	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Magnesium		0.43			0.085	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Magnesium		0.496			0.00518	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.014			0.014	mg/L	U		GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.017			0.017	mg/L	U		GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.003			0.003	mg/L	U	R	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N		0.03				mg/L	J	J	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		0.124			0.014	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.017			0.017	mg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U	UJ	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/04	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U		GELC
R-12	468.1	02/02/04	WG	UF	DUP		Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	06/13/01	WG	F	CS	NA	Inorg	300	Perchlorate	<	0.958				µg/L	U	U	GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U	UJ	GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	468.1	02/02/04	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	468.1	07/31/02	WG	UF	CS	EQB	Inorg	314.0	Perchlorate	<	1.45			1.45	µg/L	U		GELC
R-12	468.1	07/31/02	WG	UF	CS		Inorg	314.0	Perchlorate	<	1.45			1.45	µg/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Potassium		1.99			0.05	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Potassium		2.05			0.05	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Potassium		1.91			0.05	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	6010	Potassium		1.51				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Potassium		1.98			0.05	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05			0.05	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Potassium		1.8			0.05	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Potassium		1.97			0.05	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Potassium		1.98			0.0165	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Silicon Dioxide		15			0.032	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Silicon Dioxide		15			0.032	mg/L		J	GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Silicon Dioxide		14.6			0.032	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		15.2			0.032	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.032			0.032	mg/L	U	R, UJ	GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		15.6			0.032	mg/L		J	GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Silicon Dioxide		14.8			0.032	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Silicon Dioxide		15			0.0212	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Sodium		17.2			0.045	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Sodium		19.1			0.045	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Sodium		20.6			0.045	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	6010	Sodium		25.6				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Sodium		17.6			0.045	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.075			0.045	mg/L	J	U	GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Sodium		18.1			0.045	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Sodium		20.3			0.045	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Sodium		20.8			0.0144	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	120.1	Specific Conductance		131			1	uS/cm			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	120.1	Specific Conductance		128			1	uS/cm			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	9050	Specific Conductance		114			1	uS/cm			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	79-4	Specific Conductance		75				uS/cm2		NQ	HUFFMAN
R-12	468.1	07/11/06	WG	UF	CS		Inorg	120.1	Specific Conductance		130			1	uS/cm			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	120.1	Specific Conductance		1.75			1	uS/cm			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	300	Sulfate		1.6			0.1	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	300	Sulfate		1.34			0.057	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	300	Sulfate		1.27			0.057	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Sulfate		0.301				mg/L		NQ	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Sulfate	<	0.062				mg/L	U	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	300	Sulfate		1.45			0.1	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057			0.057	mg/L	U		GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Potassium		2.05			0.05	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Potassium		1.91			0.05	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	6010	Potassium		1.51				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Potassium		1.98			0.05	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Potassium	<	0.05			0.05	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Potassium		1.8			0.05	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Potassium		1.97			0.05	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Potassium		1.98			0.0165	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Silicon Dioxide		15			0.032	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Silicon Dioxide		15			0.032	mg/L		J	GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Silicon Dioxide		14.6			0.032	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		15.2			0.032	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.032			0.032	mg/L	U	R, UJ	GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		15.6			0.032	mg/L		J	GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Silicon Dioxide		14.8			0.032	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Silicon Dioxide		15			0.0212	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	6010	Sodium		17.2			0.045	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	6010	Sodium		19.1			0.045	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	6010	Sodium		20.6			0.045	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	6010	Sodium		25.6				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	6010	Sodium		17.6			0.045	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	6010	Sodium	<	0.075			0.045	mg/L	J	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS		Inorg	6010	Sodium		18.1			0.045	mg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Inorg	6010	Sodium		20.3			0.045	mg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	6010	Sodium		20.8			0.0144	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	120.1	Specific Conductance		131			1	uS/cm			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	120.1	Specific Conductance		128			1	uS/cm			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	9050	Specific Conductance		114			1	uS/cm			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	79-4	Specific Conductance		75				uS/cm2		NQ	HUFFMAN
R-12	468.1	07/11/06	WG	UF	CS		Inorg	120.1	Specific Conductance		130			1	uS/cm			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	120.1	Specific Conductance		1.75			1	uS/cm			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	300	Sulfate		1.6			0.1	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	300	Sulfate		1.34			0.057	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	300	Sulfate		1.27			0.057	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Sulfate		0.301				mg/L		NQ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	300	Sulfate	<	0.062				mg/L	U	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	300	Sulfate		1.45			0.1	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	300	Sulfate	<	0.057			0.057	mg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	300	Sulfate	<	0.193			0.193	mg/L	U	J	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	300	Sulfate	<	0.193			0.193	mg/L	U		GELC
R-12	468.1	02/02/04	WG	UF	CS		Inorg	300	Sulfate		0.379			0.193	mg/L	J		GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		83			2.38	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		90			2.38	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	160.1	Total Dissolved Solids		72			2.38	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		87			2.38	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	160.1	Total Dissolved Solids		3			2.38	mg/L	J		GELC
R-12	468.1	06/02/04	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		71			3.07	mg/L		J	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	160.1	Total Dissolved Solids	<	3.07			3.07	mg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/04	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		77			3.07	mg/L			GELC
R-12	468.1	02/02/04	WG	UF	DUP		Inorg	160.1	Total Dissolved Solids		76			3.07	mg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.27			0.01	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.54			0.01	mg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		3.9				mg/L		NQ	GELC
R-12	468.1	06/13/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		3.3				mg/L		NQ	LVLI
R-12	468.1	07/11/06	WG	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.21			0.01	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01			0.01	mg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.49			0.01	mg/L			GELC
R-12	468.1	09/18/00	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.76				mg/L		NQ	RECRAP
R-12	468.1	07/11/06	WG	UF	CS		Inorg	9060	Total Organic Carbon		3.5			0.33	mg/L			GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Inorg	9060	Total Organic Carbon	<	0.076			0.025	mg/L	J	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/04	WG	UF	CS		Inorg	9060	Total Organic Carbon		5.3			0.025	mg/L			GELC
R-12	468.1	07/31/02	WG	UF	CS	EQB	Inorg	9060	Total Organic Carbon	<	0.07			0.025	mg/L	J	U	GELC
R-12	468.1	07/31/02	WG	UF	CS		Inorg	9060	Total Organic Carbon		8.22			0.025	mg/L			GELC
R-12	468.1	07/31/02	WG	UF	DUP		Inorg	415.1	Total Organic Carbon		8.1			0.025	mg/L			GELC
R-12	468.1	09/07/01	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon		9.99				mg/L		NQ	GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.194			0.01	mg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.367			0.01	mg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.324			0.01	mg/L			GELC
R-12	468.1	07/11/06	WG	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.199			0.01	mg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.135			0.01	mg/L		U	GELC
R-12	468.1	07/11/06	WG	F	CS		Inorg	150.1	pH		8.96			0.01	SU	H	J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	F	CS		Inorg	150.1	pH		9.08			0.01	SU	H	J	GELC
R-12	468.1	06/16/05	WG	F	CS		Inorg	150.1	pH		8.26			0.01	SU	H	J	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Inorg	79-4	pH		7.1				SU		NQ	HUFFMAN
R-12	468.1	07/11/06	WG	UF	CS		Inorg	150.1	pH		8.89			0.01	SU	H	J	GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Inorg	150.1	pH		5.78			0.01	SU	H	J	GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Barium		37.1			1	µg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Barium		37.5			1	µg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Barium		34			1	µg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Barium		22.3				µg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Barium		34.4			1	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Barium	<	1			1	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Barium		40.4			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Barium		41.2			1	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Barium		33.7			0.222	µg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Boron		67.9			10	µg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Boron		67.6			10	µg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Boron		74			10	µg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Boron		122				µg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Boron		68.3			10	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Boron	<	10			10	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Boron		74.3			10	µg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Boron		71.4			10	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Boron		77			4.88	µg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6020	Chromium	<	1			1	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Chromium	<	1.2			1	µg/L	J	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Chromium	<	1			1	µg/L	U		GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Chromium	<	0.57				µg/L	U	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6020	Chromium	<	1			1	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Chromium	<	1			1	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Chromium	<	1			1	µg/L	J	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Chromium	<	1			1	µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Chromium		0.528			0.503	µg/L	B	JN-	GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Iron		58.6			18	µg/L	J		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Iron		54.1			18	µg/L	J		GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Iron		113			18	µg/L	*	J	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Iron		109				µg/L		NQ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Iron		106			18	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Iron	<	18			18	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Iron		260			18	µg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Iron		107			18	µg/L	*		GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Iron		205			12.6	µg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6020	Lead		1.6			0.5	µg/L	J		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6020	Lead		1.5			0.5	µg/L	J		GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6020	Lead		2.1			0.5	µg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Lead		5.04				µg/L		NQ	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6020	Lead		5.83				µg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6020	Lead		2.1			0.5	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS		Met	6020	Lead		1.8			0.5	µg/L	J		GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6020	Lead		2.2			0.5	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6020	Lead		3.12			0.05	µg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Manganese		37.2			2	µg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Manganese		35.8			2	µg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Manganese		54.3			2	µg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Manganese		54.8				µg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Manganese		44.7			2	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Manganese	<	2			2	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Manganese		80.6			2	µg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Manganese		55.5			2	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Manganese		68.1			0.296	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Molybdenum		16.2			2	µg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Molybdenum		16.6			2	µg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Molybdenum		15.4			2	µg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Molybdenum		21.7				µg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Molybdenum		15.8			2	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Molybdenum	<	2			2	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Molybdenum		16.1			2	µg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Molybdenum		14			2	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Molybdenum		15.7			1.43	µg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6020	Nickel		1.3			0.5	µg/L	J		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6020	Nickel		1.5			0.5	µg/L	J		GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6020	Nickel		1.4			0.5	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Nickel		2.34				µg/L	B	J	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6020	Nickel		1.4			0.5	µg/L	J		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6020	Nickel	<	0.5			0.5	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6020	Nickel		2			0.5	µg/L	J		GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6020	Nickel		2.9			0.5	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Nickel	<	2.28			0.69	µg/L	B	U	GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Strontium		15.2			1	µg/L			GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Strontium		14.9			1	µg/L			GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Strontium		19.9			1	µg/L			GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Strontium		13.9				µg/L		NQ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Strontium		16			1	µg/L			GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Strontium	<	1			1	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Strontium		18.3			1	µg/L			GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Strontium		16.5			1	µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Strontium		17.4			0.178	µg/L			GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6020	Thallium		0.57			0.4	µg/L	J		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6020	Thallium		0.43			0.4	µg/L	J		GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Thallium	<	0.021				µg/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6020	Thallium	<	0.021				µg/L	U	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/02/04	WG	UF	CS		Met	6020	Thallium	<	0.02			0.02	µg/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6020	Uranium	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6020	Uranium	<	0.065			0.05	µg/L	J	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6020	Uranium	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6020	Uranium	<	0.003				µg/L	U	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6020	Uranium	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6020	Uranium	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6020	Uranium	<	0.08			0.05	µg/L	J	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6020	Uranium	<	0.05			0.05	µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6020	Uranium		0.026			0.02	µg/L	B		GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Vanadium		0.49				µg/L	B	J	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Vanadium	<	0.606			0.606	µg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	F	CS		Met	6010	Zinc		4.3			2	µg/L	J		GELC
R-12	468.1	02/02/06	WG	F	CS		Met	6010	Zinc	<	2			2	µg/L	U		GELC
R-12	468.1	06/16/05	WG	F	CS		Met	6010	Zinc	<	9.2			2	µg/L	J*	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Met	6010	Zinc	<	1.76				µg/L	B	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Met	6010	Zinc		4.3			2	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/06	WG	UF	CS	FB	Met	6010	Zinc	<	2			2	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Met	6010	Zinc		2.8			2	µg/L	J		GELC
R-12	468.1	06/16/05	WG	UF	CS		Met	6010	Zinc		66.8			2	µg/L	*	J	GELC
R-12	468.1	06/02/04	WG	UF	CS		Met	6010	Zinc	<	4.48			0.883	µg/L	B	U	GELC
R-12	468.1	07/11/06	WG	UF	CS		Pest	8082	Aroclor-1242	<	0.1			0.0333	µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS		Pest	8082	Aroclor-1242	<	0.12				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS	EQB	Pest	8082	Aroclor-1242	<	0.1				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Pest	8082	Aroclor-1242	<	0.1				µg/L	U		GELC
R-12	468.1	09/18/00	WG	UF	CS	NA	Pest	8082	Aroclor-1242	<	1.3				µg/L	U	UJ	PARA
R-12	468.1	07/11/06	WG	F	CS		Rad	H300	Americium-241		0.00439	0.00465	0.0266		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	H300	Americium-241		0.00358	0.00765	0.054		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	H300	Americium-241		0.0122	0.005			pCi/L	J	U	STSL

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	H300	Americium-241		0.032	0.014	0.028		pCi/L	LT	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	H300	Americium-241		0.00656	0.00364	0.0225		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	H300	Americium-241		0.00704	0.0141	0.043		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	AS	Americium-241		0.00223	0.0111	0.04		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	AS	Americium-241		-2.55E-10	0.00302	0.038		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	AS	Americium-241		0.0067	0.00389	0.04		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	AS	Americium-241		0.00635	0.00636	0.038		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	901.1	Cesium-137		4.82	2.37	3.74		pCi/L		J	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	901.1	Cesium-137		0.171	0.669	2.35		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	GS	Cesium-137		-0.538	1.5	5.21999979		pCi/L	U	U	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	GS	Cesium-137		0.2	1.65	2.7		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	901.1	Cesium-137		2.61	1.05	4.4		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/16/05	WG	UF	CS		Rad	901.1	Cesium-137		-0.414	0.731	2.52		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	901.1	Cesium-137		0.612	1.6	5.78		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	901.1	Cesium-137		-1.42	1	3.34		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	901.1	Cesium-137		3.23	1.78	6.9		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	901.1	Cesium-137		-1.5	1.97	6.73		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	901.1	Cobalt-60		-0.744	1.16	4.18		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	901.1	Cobalt-60		0.467	0.763	2.84		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	GS	Cobalt-60		1.42	1.65	6.599999905		pCi/L	U	U	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	GS	Cobalt-60		1.2	1.9	3		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	901.1	Cobalt-60		0.613	1.04	4.23		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	901.1	Cobalt-60		0.905	0.827	3.14		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/02/04	WG	UF	CS		Rad	901.1	Cobalt-60		2.6	1.22	6.8		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	901.1	Cobalt-60		-0.782	0.983	3.39		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	901.1	Cobalt-60		1.06	1.98	7.6		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	901.1	Cobalt-60		-1.18	1.72	6.12		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	900	Gross alpha		1.02	0.695	2.87		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	900	Gross alpha		1.17	0.381	1.16		pCi/L		J	GELC
R-12	468.1	09/18/00	WG	F	CS	NA	Rad	Generic	Gross alpha		0.921	1.1	1.8		pCi/L		U	STSL
R-12	468.1	07/11/06	WG	UF	CS		Rad	900	Gross alpha		1.52	0.696	2.35		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	900	Gross alpha		0.627	0.324	1.2		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	900	Gross alpha		-0.0733	0.287	1.4		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	900	Gross alpha		0.139	0.325	1.35		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	900	Gross alpha		0.523	0.405	1.56		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	02/02/04	WG	UF	DUP		Rad	900	Gross alpha		1.03	0.44	1.55		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	900	Gross beta		2.78	0.765	2.81		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	900	Gross beta		3.49	0.741	2.82		pCi/L		J	GELC
R-12	468.1	09/18/00	WG	F	CS	NA	Rad	Generic	Gross beta		5.23	1.3	1.71		pCi/L		NQ	STSL
R-12	468.1	07/11/06	WG	UF	CS		Rad	900	Gross beta		3.4	0.756	2.68		pCi/L		J	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	900	Gross beta		1.47	0.63	2.59		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	900	Gross beta		0.183	0.499	2.01		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	900	Gross beta		-0.591	0.656	2.73		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	900	Gross beta		2.77	0.718	2.61		pCi/L		J	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	900	Gross beta		1.98	0.654	2.44		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	901.1	Gross gamma		86.7	78	295		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	901.1	Gross gamma		79.4	153	261		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	UF	CS		Rad	901.1	Gross gamma		80.4	125	263		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	901.1	Gross gamma		1560	1420	2790		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	901.1	Gross gamma		120	141	435		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	901.1	Gross gamma		46.3	149	232		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	901.1	Gross gamma		81.6	164	321		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	901.1	Gross gamma		115	220	451		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	901.1	Neptunium-237		-1.9	7.93	27.3		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	901.1	Neptunium-237		-0.163	5.37	17.9		pCi/L	U	U	GELC
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	GS	Neptunium-237		-8	10	17		pCi/L	U	U	PARA
R-12	468.1	03/14/01	WG	F	CS	NA	Rad	GS	Neptunium-237		2	6	9.8		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	901.1	Neptunium-237		-4.8	7.69	26.6		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	901.1	Neptunium-237		6.04	6.57	21.3		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/02/04	WG	UF	CS		Rad	901.1	Neptunium-237		30.1	22.7	38.3		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	901.1	Neptunium-237		8.79	7.36	21.8		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	901.1	Neptunium-237		-3.23	6.46	19.8		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	901.1	Neptunium-237		9.56	8.71	27.1		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	H300	Plutonium-238		-2.5E-09	0.00909	0.0252		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	H300	Plutonium-238		-0.0051	0.00625	0.053		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	H300	Plutonium-238		-0.00067	0.000065	0.000946		pCi/L	U	U	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	H300	Plutonium-238		-0.0061	0.00475	0.035		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	H300	Plutonium-238		0.0022	0.0022	0.0211		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	AS	Plutonium-239/240		0.00762	0.00539	0.023		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	AS	Plutonium-239/240		0.007	0.00496	0.043		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	AS	Plutonium-239/240		0.00439	0.00537	0.027		pCi/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	F	CS		Rad	901.1	Potassium-40		4.53	21.2	41.1		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	901.1	Potassium-40		58	9.68	22.8		pCi/L		J	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	GS	Potassium-40		-44.3	27.5	104		pCi/L	U	U	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	GS	Potassium-40		-52	50	83		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	901.1	Potassium-40		8.17	10.8	43.7		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	901.1	Potassium-40		10	15	27		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	901.1	Potassium-40		61.8	21.8	91.9		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	901.1	Potassium-40		0	13.5	55.1		pCi/L	UUI	R	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	901.1	Potassium-40		53.3	18.9	81.3		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	901.1	Potassium-40		103	30.4	124		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	901.1	Sodium-22		0.449	1.15	4.53		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	901.1	Sodium-22		0.11	0.61	2.27		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	GS	Sodium-22		0.9	1.8	2.9		pCi/L	U	U	PARA
R-12	468.1	03/14/01	WG	F	CS	NA	Rad	GS	Sodium-22		-0.2	1.6	2.6		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	901.1	Sodium-22		0.335	0.944	3.7		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	901.1	Sodium-22		-0.525	0.849	2.57		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	901.1	Sodium-22		0.405	1.92	7.18		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	901.1	Sodium-22		0.368	0.973	3.52		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	901.1	Sodium-22		0.577	1.95	7.4		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	901.1	Sodium-22		-0.759	2.11	7.58		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	905.0	Strontium-90		0.27	0.115	0.448		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	905.0	Strontium-90		0.0198	0.0554	0.205		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	Beta	Strontium-90		0.238	0.305	1.28999962		pCi/L	U	U	STSL

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	Beta	Strontium-90		0.1	0.9	3.1		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	905.0	Strontium-90		0.0425	0.109	0.518		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	905.0	Strontium-90		0.0448	0.0494	0.179		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	GFPC	Strontium-90		0.0991	0.0407	0.125		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	GFPC	Strontium-90		-0.0752	0.0592	0.291		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	GFPC	Strontium-90		0.0257	0.0678	0.299		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	GFPC	Strontium-90		0.0596	0.0623	0.264		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	UF	CS		Rad	LLEE	Tritium		104.7304	3.5123	0.28737		pCi/L			UMTL
R-12	468.1	02/02/06	WG	UF	CS	FB	Rad	LLEE	Tritium		-0.15965	0.28737	0.28737		pCi/L		U	UMTL
R-12	468.1	02/02/06	WG	UF	CS		Rad	LLEE	Tritium		120.6954	3.8316	0.28737		pCi/L			UMTL
R-12	468.1	06/30/05	WG	UF	CS		Rad	906.0	Tritium		-73.6	60.1	212		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	906.0	Tritium		170	60.4	193		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	F	CS		Rad	H300	Uranium-234		0.0283	0.0107	0.0491		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	H300	Uranium-234		0.034	0.012	0.074		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	H300	Uranium-234		0.0228	0.00065	0.012		pCi/L	J	NQ	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	H300	Uranium-234		0.082	0.022	0.039		pCi/L	LT	NQ	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	H300	Uranium-234		0.0631	0.0169	0.0527		pCi/L		J	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	H300	Uranium-234		0.0352	0.0113	0.072		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	AS	Uranium-234		0.0389	0.016	0.079		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	AS	Uranium-234		0.00466	0.00468	0.054		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	AS	Uranium-234		0.0268	0.0102	0.056		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	AS	Uranium-234		0.0285	0.012	0.06		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	H300	Uranium-235/236		0	0.00412	0.0414		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	H300	Uranium-235/236		0.0146	0.00773	0.045		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0	0.0019	0.00417		pCi/L	U	U	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0.013	0.0085	0.024		pCi/L	U	U	PARA
R-12	468.1	07/11/06	WG	UF	CS		Rad	H300	Uranium-235/236		0.0125	0.00767	0.0444		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	H300	Uranium-235/236		0.0141	0.00943	0.044		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	AS	Uranium-235/236		0.0312	0.0139	0.048		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	AS	Uranium-235/236		-0.00936	0.00665	0.031		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	AS	Uranium-235/236		5.84E-10	0.00692	0.032		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	AS	Uranium-235/236		1.24E-09	0.00821	0.034		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	F	CS		Rad	H300	Uranium-238		0.0141	0.0082	0.0522		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	F	CS		Rad	H300	Uranium-238		0.0121	0.0073	0.052		pCi/L	U	U	GELC
R-12	468.1	09/07/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.0185	0.0055	0.00417		pCi/L	J	NQ	STSL
R-12	468.1	06/13/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.028	0.0125	0.024		pCi/L	LT	U	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	UF	CS		Rad	H300	Uranium-238		0.0278	0.0127	0.056		pCi/L	U	U	GELC
R-12	468.1	06/16/05	WG	UF	CS		Rad	H300	Uranium-238		0.0235	0.00748	0.051		pCi/L	U	U	GELC
R-12	468.1	06/02/04	WG	UF	CS		Rad	AS	Uranium-238		0.0519	0.0141	0.056		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS	EQB	Rad	AS	Uranium-238		5.56E-10	0.00571	0.034		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	CS		Rad	AS	Uranium-238		0.0146	0.00779	0.036		pCi/L	U	U	GELC
R-12	468.1	02/02/04	WG	UF	DUP		Rad	AS	Uranium-238		0.0155	0.0074	0.038		pCi/L	U		GELC
R-12	468.1	07/11/06	WG	UF	CS	EQB	SV	8270	Benzoic Acid	<	21.1			6.32	µg/L	U		GELC
R-12	468.1	07/11/06	WG	UF	CS		SV	8270	Benzoic Acid		11.6			6.19	µg/L	J		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	SV	8270	Benzoic Acid	<	20.8			6.25	µg/L	U	R	GELC
R-12	468.1	02/02/06	WG	UF	CS		SV	8270	Benzoic Acid	<	20.8			6.25	µg/L	U	R	GELC
R-12	468.1	02/02/06	WG	UF	RE		SV	8270	Benzoic Acid	<	21.1			6.32	µg/L	U	R, UJ	GELC
R-12	468.1	06/16/05	WG	UF	CS		SV	8270	Benzoic Acid		12.8				µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/02/04	WG	UF	CS	EQB	SV	8270	Benzoic Acid	<	20.4				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		SV	8270	Benzoic Acid		19.7				µg/L	J		GELC
R-12	468.1	07/11/06	WG	UF	CS	EQB	Voa	8260	Acetone		8.97			1.25	µg/L		J, J+	GELC
R-12	468.1	07/11/06	WG	UF	CS	FTB	Voa	8260	Acetone	<	5			1.25	µg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Voa	8260	Acetone		1.59			1.25	µg/L	J	J+	GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Voa	8260	Acetone	<	5			1.25	µg/L	U	R	GELC
R-12	468.1	02/02/06	WG	UF	CS	FTB	Voa	8260	Acetone	<	5			1.25	µg/L	U	R	GELC
R-12	468.1	02/02/06	WG	UF	CS		Voa	8260	Acetone		2.15			1.25	µg/L	J	J+, J-	GELC
R-12	468.1	06/16/05	WG	UF	CS	FTB	Voa	8260	Acetone	<	5				µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS		Voa	8260	Acetone	<	5				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS	EQB	Voa	8260	Acetone		39.2				µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS	FTB	Voa	8260	Acetone	<	5				µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	06/02/04	WG	UF	CS		Voa	8260	Acetone	<	5				µg/L	U		GELC
R-12	468.1	07/11/06	WG	UF	CS	EQB	Voa	8260	Butanone[2-]		1.94			1.25	µg/L	J	J, J+	GELC
R-12	468.1	07/11/06	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5				µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS		Voa	8260	Butanone[2-]	<	5				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS	EQB	Voa	8260	Butanone[2-]		5.9				µg/L			GELC
R-12	468.1	06/02/04	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS		Voa	8260	Butanone[2-]	<	5				µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	468.1	07/11/06	WG	UF	CS	EQB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U	UJ	GELC
R-12	468.1	07/11/06	WG	UF	CS		Voa	8260	Methylene Chloride	<	5			2	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U		GELC
R-12	468.1	02/02/06	WG	UF	CS		Voa	8260	Methylene Chloride	<	5			2	µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC
R-12	468.1	06/16/05	WG	UF	CS		Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS	EQB	Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC
R-12	468.1	06/02/04	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC
R-12	507	07/12/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3		3.43			0.725	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3		3.53			1.45	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3		3.14			0.725	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U	UJ	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3		4.18			1.45	mg/L		J	GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	310.1	Alkalinity-CO3		4.56			1.45	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	310.1	Alkalinity-CO3		7.9			1.45	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		68.5			0.725	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		63.3			1.45	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3		0.053				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3		63				mg/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		70.1			0.725	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	310.1	Alkalinity-CO3+HCO3		2.07			1.45	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		56.9			1.45	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	DUP		Inorg	310.1	Alkalinity-CO3+HCO3		55.8			1.45	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		59.4			1.45	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	350.1	Ammonia as Nitrogen		0.127			0.01	mg/L			GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.103			0.01	mg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.058			0.01	mg/L		J-	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	350.1	Ammonia as Nitrogen	<	0.024			0.024	mg/L	U	R	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.22			0.024	mg/L		J-	GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.4			0.024	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	6010	Calcium		15.4			0.036	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	6010	Calcium		14.9			0.036	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	6010	Calcium		15				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	6010	Calcium		14				mg/L		NQ	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	UF	CS		Inorg	6010	Calcium		15.2			0.036	mg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Inorg	6010	Calcium		14.6			0.036	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	6010	Calcium	<	0.00726			0.00554	mg/L	B	U	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	6010	Calcium		16.3			0.00554	mg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	6010	Calcium		16.4			0.00554	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	6010	Calcium		16.4			0.00554	mg/L			GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	410.4	Chemical Oxygen Demand		16.4			0.89	mg/L		J+	GELC
R-12	507	07/12/06	WG	F	CS		Inorg	300	Chloride		2.41			0.066	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	300	Chloride		2.23			0.053	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	325.1	Chloride		4.63				mg/L		NQ	GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	300	Chloride		4.38				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Chloride		5.9				mg/L		NQ	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Chloride		4.96				mg/L		NQ	GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	300	Chloride		2.32			0.066	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	300	Chloride	<	0.0322			0.0322	mg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	300	Chloride		4.57			0.0322	mg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	300	Chloride		4.57			0.0322	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	300	Chloride		5.61			0.0322	mg/L			GELC
R-12	507	08/01/02	WG	UF	DUP		Inorg	300	Chloride		5.63			0.0322	mg/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Inorg	325.1	Chloride		6.6				mg/L		NQ	PARA
R-12	507	07/12/06	WG	F	CS		Inorg	300	Fluoride		0.644			0.033	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	300	Fluoride		0.673			0.03	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	300	Fluoride		0.404				mg/L		NQ	GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	300	Fluoride		0.357				mg/L		NQ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Fluoride		0.53				mg/L		NQ	PARA
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Fluoride		0.296				mg/L		NQ	GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	300	Fluoride		0.662			0.033	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	300	Fluoride	<	0.0553			0.0553	mg/L	U	UJ	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	300	Fluoride		0.373			0.0553	mg/L		J	GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	300	Fluoride		0.38			0.0553	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	300	Fluoride		0.268			0.0553	mg/L			GELC
R-12	507	08/01/02	WG	UF	DUP		Inorg	300	Fluoride		0.319			0.0553	mg/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Inorg	300	Fluoride		0.43				mg/L		NQ	PARA
R-12	507	07/12/06	WG	F	CS		Inorg	A2340	Hardness		45.7			0.02	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	A2340	Hardness		43.5			0.085	mg/L			GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	A2340	Hardness		46.2			0.02	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	02/01/06	WG	UF	CS		Inorg	A2340	Hardness		42.5			0.085	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	200.7	Hardness		0.0281			0.00554	mg/L	J		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	200.7	Hardness		48.9			0.00554	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	200.7	Hardness		49.5			0.00554	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	6010	Magnesium		1.65			0.085	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	6010	Magnesium		1.56			0.085	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	6010	Magnesium		1.9				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	6010	Magnesium		2				mg/L	E	NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Inorg	6010	Magnesium		1.61			0.085	mg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Inorg	6010	Magnesium		1.45			0.085	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	6010	Magnesium	<	0.00518			0.00518	mg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	6010	Magnesium		2			0.00518	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	DUP		Inorg	6010	Magnesium		2.03			0.00518	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	6010	Magnesium		2.08			0.00518	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.014			0.014	mg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.034			0.034	mg/L	U	R, UJ	GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N		0.07				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	353.2	Nitrate-Nitrite as N		0.051				mg/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.014			0.014	mg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		0.06			0.01	mg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	353.1	Nitrate-Nitrite as N		0.06			0.01	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		0.03			0.01	mg/L	J		GELC
R-12	507	09/19/00	WG	UF	CS	NA	Inorg	353.2	Nitrate-Nitrite as N	<	0.1				mg/L	U	U	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	507	07/12/06	WG	F	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Perchlorate	<	0.958				µg/L	U	U	GELC
R-12	507	03/15/01	WG	F	CS	NA	Inorg	300	Perchlorate	<	0.958				µg/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	314.0	Perchlorate	<	1.45			1.45	µg/L	U		GELC
R-12	507	09/19/00	WG	UF	CS	NA	Inorg	300	Perchlorate	<	1.04				µg/L	U	U	GELC
R-12	507	07/12/06	WG	F	CS		Inorg	6010	Potassium		2.16			0.05	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	02/01/06	WG	F	CS		Inorg	6010	Potassium		2.1			0.05	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	6010	Potassium		1.98				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	6010	Potassium		2.1				mg/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Inorg	6010	Potassium		2.09			0.05	mg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Inorg	6010	Potassium		2.11			0.05	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	6010	Potassium	<	0.0165			0.0165	mg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	6010	Potassium		1.96			0.0165	mg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	6010	Potassium		2.01			0.0165	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	6010	Potassium		2.13			0.0165	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	6010	Silicon Dioxide		32.6			0.032	mg/L		J-	GELC
R-12	507	02/01/06	WG	F	CS		Inorg	6010	Silicon Dioxide		31.6			0.032	mg/L			GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		31.8			0.032	mg/L		J-	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	02/01/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		32.1			0.032	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	6010	Silicon Dioxide	<	0.126			0.0212	mg/L	BN	U	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	6010	Silicon Dioxide		35.9			0.0212	mg/L	N	J-	GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	6010	Silicon Dioxide		36.4			0.0212	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	6010	Silicon Dioxide		33.5			0.0212	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	6010	Sodium		13.7			0.045	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	6010	Sodium		13			0.045	mg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	6010	Sodium		11.1				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	6010	Sodium		9				mg/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Inorg	6010	Sodium		13.4			0.045	mg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Inorg	6010	Sodium		13.4			0.045	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	6010	Sodium		0.0629			0.0144	mg/L	B	JN-	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS		Inorg	6010	Sodium		10.6			0.0144	mg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	6010	Sodium		10.7			0.0144	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	6010	Sodium		10.4			0.0144	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	120.1	Specific Conductance		163			1	uS/cm			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	120.1	Specific Conductance		157			1	uS/cm			GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	79-4	Specific Conductance		134				uS/cm2		NQ	HUFFMAN
R-12	507	07/12/06	WG	UF	CS		Inorg	120.1	Specific Conductance		163			1	uS/cm			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	9050	Specific Conductance		1			1	uS/cm			GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	9050	Specific Conductance		131			1	uS/cm			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	9050	Specific Conductance		143			1	uS/cm			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	300	Sulfate		3.59			0.1	mg/L			GELC
R-12	507	02/01/06	WG	F	CS		Inorg	300	Sulfate		3.3			0.057	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/10/01	WG	F	CS	NA	Inorg	300	Sulfate		7.65				mg/L		NQ	GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	300	Sulfate		7.51				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Sulfate		8.5				mg/L		NQ	PARA
R-12	507	06/13/01	WG	F	CS	NA	Inorg	300	Sulfate		8.05				mg/L		NQ	GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	300	Sulfate		3.31			0.1	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	300	Sulfate	<	0.193			0.193	mg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	300	Sulfate		8.11			0.193	mg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Inorg	300	Sulfate		8.04			0.193	mg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	300	Sulfate		7.77			0.193	mg/L			GELC
R-12	507	08/01/02	WG	UF	DUP		Inorg	300	Sulfate		7.76			0.193	mg/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Inorg	300	Sulfate		7.4				mg/L		NQ	PARA
R-12	507	07/12/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		112			2.38	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	02/01/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		116			2.38	mg/L			GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		99			2.38	mg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	160.1	Total Dissolved Solids	<	3.07			3.07	mg/L	UH	UJ	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		110			3.07	mg/L	H	J	GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		111			3.07	mg/L			GELC
R-12	507	07/12/06	WG	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen	<	0.113			0.01	mg/L		J, U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.49				mg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.47				mg/L		NQ	LVLI
R-12	507	03/15/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.69				mg/L		NQ	LVLI
R-12	507	07/12/06	WG	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen	<	0.073			0.01	mg/L	J	J, U	GELC
R-12	507	02/01/06	WG	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.127			0.01	mg/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.47				mg/L		NQ	RECRAP

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	UF	CS		Inorg	9060	Total Organic Carbon		0.928			0.33	mg/L	J		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	9060	Total Organic Carbon	<	0.061			0.025	mg/L	J	U	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	9060	Total Organic Carbon		0.866			0.025	mg/L		J-	GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	9060	Total Organic Carbon		1.66			0.025	mg/L			GELC
R-12	507	09/10/01	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon		1.77				mg/L		NQ	GELC
R-12	507	07/12/06	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus	<	0.098			0.01	mg/L		J+, U	GELC
R-12	507	07/12/06	WG	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U		GELC
R-12	507	07/12/06	WG	F	CS		Inorg	150.1	pH		8.8			0.01	SU	H	J	GELC
R-12	507	02/01/06	WG	F	CS		Inorg	150.1	pH		8.87			0.01	SU	H	J	GELC
R-12	507	09/10/01	WG	F	CS	NA	Inorg	79-4	pH		8.7				SU		NQ	HUFF MAN

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	UF	CS		Inorg	150.1	pH		8.73			0.01	SU	H	J	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Inorg	150.1	pH		5.88			0.01	SU	H	J	GELC
R-12	507	01/28/04	WG	UF	CS		Inorg	150.1	pH		9.04			0.01	SU	H	J	GELC
R-12	507	08/01/02	WG	UF	CS		Inorg	150.1	pH		9.05			0.01	SU	H	J	GELC
R-12	507	08/01/02	WG	UF	DUP		Inorg	150.1	pH		9.06			0.01	SU	H		GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Barium		13.9			1	µg/L			GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Barium		12.2			1	µg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Barium		12.8				µg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Barium		11				µg/L	B	J	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6010	Barium		13.6			1	µg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Barium		11.5			1	µg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Barium	<	0.222			0.222	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS		Met	6010	Barium		15.2			0.222	µg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Barium		15.3			0.222	µg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Barium		14.9			0.222	µg/L			GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Boron		42.3			10	µg/L	J		GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Boron		41.7			10	µg/L	J		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Boron	<	37.1				µg/L	B	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Boron		43				µg/L	B	J	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6010	Boron		41.7			10	µg/L	J		GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Boron		44			10	µg/L	J		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Boron	<	4.88			4.88	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Boron		26.8			4.88	µg/L	B		GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Boron		23.7			4.88	µg/L	B		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	08/01/02	WG	UF	CS		Met	6010	Boron		30.6			4.88	µg/L	B		GELC
R-12	507	07/12/06	WG	F	CS		Met	6020	Chromium	<	3.4			1	µg/L		U	GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Chromium	<	1			1	µg/L	U		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Chromium	<	0.57				µg/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Chromium	<	0.209 99999 3				µg/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6020	Chromium	<	3.2			1	µg/L		U	GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Chromium	<	1			1	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Chromium	<	0.503			0.503	µg/L	U	UJ	GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Chromium	<	0.503			0.503	µg/L	U	UJ	GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Chromium	<	0.503			0.503	µg/L	U		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Chromium		7.61			0.503	µg/L			GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	02/01/06	WG	F	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Iron	<	2.24				µg/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Iron	<	44				µg/L	B	U	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Iron	<	18			18	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Iron		29.9			12.6	µg/L	B		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Iron		13.2			12.6	µg/L	B		GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Iron	<	12.6			12.6	µg/L	U		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Iron		48.3			12.6	µg/L	B		GELC
R-12	507	07/12/06	WG	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Lead	<	0.011				µg/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/10/01	WG	F	CS	NA	Met	6020	Lead	<	0.011				µg/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Lead	<	1.10000002 4				µg/L	U	U	PARA
R-12	507	06/13/01	WG	F	CS	NA	Met	6020	Lead	<	0.037				µg/L	U	U	GELC
R-12	507	07/12/06	WG	UF	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6020	Lead	<	0.05			0.05	µg/L	UE		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6020	Lead	<	0.05			0.05	µg/L	UE		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6020	Lead		0.117			0.05	µg/L	B		GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Manganese		29.1			2	µg/L			GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Manganese		23.6			2	µg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Manganese		43.5				µg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Manganese		34				µg/L		NQ	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	UF	CS		Met	6010	Manganese		28.7			2	µg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Manganese		21.7			2	µg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Manganese	<	0.296			0.296	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Manganese		29			0.296	µg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Manganese		29.1			0.296	µg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Manganese		42.9			0.296	µg/L			GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Molybdenum		3.1			2	µg/L	J		GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Molybdenum		4.8			2	µg/L	J		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Molybdenum		7.12				µg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Molybdenum		8.300000191				µg/L	B	J	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6010	Molybdenum		3			2	µg/L	J		GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Molybdenum		5.3			2	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Molybdenum	<	1.43			1.43	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Molybdenum		4			1.43	µg/L	B		GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Molybdenum		4.26			1.43	µg/L	B		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Molybdenum		5.92			1.43	µg/L	B		GELC
R-12	507	07/12/06	WG	F	CS		Met	6020	Nickel	<	0.5			0.5	µg/L	U	UJ	GELC
R-12	507	02/01/06	WG	F	CS		Met	6020	Nickel		0.65			0.5	µg/L	J		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Nickel	<	1.26				µg/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Nickel	<	0.530 00003 1				µg/L	B	U	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6020	Nickel	<	0.53			0.5	µg/L	J	UJ	GELC
R-12	507	02/01/06	WG	UF	CS		Met	6020	Nickel		0.8			0.5	µg/L	J		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Nickel	<	0.69			0.69	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Nickel	<	0.69			0.69	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Nickel	<	0.69			0.69	µg/L	U		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Nickel		7.19			0.69	µg/L			GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Strontium		66.4			1	µg/L			GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Strontium		60			1	µg/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Strontium		58.3				µg/L		NQ	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Strontium		61				µg/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6010	Strontium		65			1	µg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Strontium		57.8			1	µg/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Strontium	<	0.178			0.178	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Strontium		67.7			0.178	µg/L			GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Strontium		68.3			0.178	µg/L			GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Strontium		67.9			0.178	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	F	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Thallium	<	0.021				µg/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6020	Thallium	<	0.021				µg/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Thallium	<	5.599999905				µg/L	B	U	PARA
R-12	507	06/13/01	WG	F	CS	NA	Met	6020	Thallium		0.095				µg/L	B	J	GELC
R-12	507	07/12/06	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6020	Thallium	<	0.02			0.02	µg/L	B	J	GELC
R-12	507	01/28/04	WG	UF	CS		Met	6020	Thallium		0.095			0.02	µg/L	B	J	GELC
R-12	507	08/01/02	WG	UF	CS		Met	6020	Thallium	<	0.073			0.02	µg/L	B	U	GELC
R-12	507	07/12/06	WG	F	CS		Met	6020	Uranium		0.68			0.05	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	02/01/06	WG	F	CS		Met	6020	Uranium		0.81			0.05	µg/L		J	GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6020	Uranium		0.14				µg/L	B	J	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6020	Uranium		0.431				µg/L		NQ	GELC
R-12	507	07/12/06	WG	UF	CS		Met	6020	Uranium		0.72			0.05	µg/L			GELC
R-12	507	02/01/06	WG	UF	CS		Met	6020	Uranium		0.54			0.05	µg/L		J	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6020	Uranium	<	0.042			0.02	µg/L	B	U	GELC
R-12	507	01/28/04	WG	UF	CS		Met	6020	Uranium		0.557			0.02	µg/L		J-	GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Uranium	<	15.6			15.6	µg/L	U	R	GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Vanadium		2.63				µg/L	B	J	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Vanadium	<	2.599999905				µg/L	B	U	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	07/12/06	WG	UF	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Vanadium	<	1			1	µg/L	J	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Vanadium	<	0.606			0.606	µg/L	U		GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Vanadium	<	2.28			0.606	µg/L	B	U	GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Vanadium		2.52			0.606	µg/L	B		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Vanadium		2.58			0.606	µg/L	B		GELC
R-12	507	07/12/06	WG	F	CS		Met	6010	Zinc	<	2.4			2	µg/L	J	U	GELC
R-12	507	02/01/06	WG	F	CS		Met	6010	Zinc		3.1			2	µg/L	J		GELC
R-12	507	09/10/01	WG	F	CS	NA	Met	6010	Zinc	<	1.63				µg/L	B	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Met	6010	Zinc	<	0.439999998				µg/L	B	U	PARA
R-12	507	07/12/06	WG	UF	CS		Met	6010	Zinc	<	3.8			2	µg/L	J	U	GELC
R-12	507	02/01/06	WG	UF	CS		Met	6010	Zinc		3.6			2	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS	EQB	Met	6010	Zinc	<	1.89			0.883	µg/L	B	U	GELC
R-12	507	01/28/04	WG	UF	CS		Met	6010	Zinc	<	3.4			0.883	µg/L	B	U	GELC
R-12	507	01/28/04	WG	UF	DUP		Met	6010	Zinc		2.6			0.883	µg/L	B		GELC
R-12	507	08/01/02	WG	UF	CS		Met	6010	Zinc	<	4.53			0.883	µg/L	B	U	GELC
R-12	507	07/12/06	WG	UF	CS		Pest	8082	Aroclor-1242	<	0.25			0.0336	µg/L	BP	NJ, U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Pest	8082	Aroclor-1242	<	1				µg/L	U	U	PARA
R-12	507	07/12/06	WG	F	CS		Rad	H300	Americium-241		-0.000535	0.00331	0.01994		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	H300	Americium-241		0.00896	0.0044	0.011		pCi/L	U	U	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	H300	Americium-241		0.009	0.0085	0.028		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	H300	Americium-241		0.018	0.011	0.019		pCi/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	H300	Americium-241		0.00396	0.00384	0.0214		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	AS	Americium-241		0.00596	0.00346	0.035		pCi/L		U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS		Rad	AS	Americium-241		0.012	0.00569	0.035		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	AS	Americium-241		0.017	0.00802	0.0333		pCi/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	H300	Americium-241		0.031	0.0095	0.0083		pCi/L	LT	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	901.1	Cesium-137		-0.653	1.22	4.3		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	GS	Cesium-137		0.0189	1.2	4.460000038		pCi/L	U	U	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	GS	Cesium-137		0.9	1.2	2		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	GS	Cesium-137		0.1	1.3	2.1		pCi/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	901.1	Cesium-137		-0.0529	1.29	4.58		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	901.1	Cesium-137		0.0927	0.858	2.94		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	901.1	Cesium-137		0.0346	0.865	3.01		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	901.1	Cesium-137		0.496	0.956	3.6		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/19/00	WG	UF	CS	NA	Rad	GS	Cesium-137		0.3	1.5	2.5		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	901.1	Cobalt-60		1.06	1.18	4.76		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	GS	Cobalt-60		0.507	1.15	4.69000057		pCi/L	U	U	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	GS	Cobalt-60		2.6	1.4	2.1		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	GS	Cobalt-60		-0.2	1.45	2.4		pCi/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	901.1	Cobalt-60		2.29	1.28	5.38		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	901.1	Cobalt-60		-1.18	1.03	3.4		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	901.1	Cobalt-60		-0.679	0.932	3.2		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	901.1	Cobalt-60		0.166	1.12	4.3		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	GS	Cobalt-60		2.5	1.5	2.3		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	900	Gross alpha		0.324	0.337	1.51		pCi/L	U	J-, U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/19/00	WG	F	CS	NA	Rad	Generic	Gross alpha		0.5	0.55	2		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	UF	CS		Rad	900	Gross alpha		1.07	0.529	2.13		pCi/L	U	J-, U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	900	Gross alpha		-0.247	0.277	1.3		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	900	Gross alpha		0.473	0.341	1.29		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	900	Gross alpha		0.614	0.248	0.741		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	UF	CS	NA	Rad	Generic	Gross alpha		0.71	0.22	0.67599999		pCi/L	J	NQ	STSL
R-12	507	07/12/06	WG	F	CS		Rad	900	Gross beta		1.7	0.475	1.8		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	F	CS	NA	Rad	Generic	Gross beta		1.9	0.75	2.4		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	UF	CS		Rad	900	Gross beta		2.38	0.608	2.31		pCi/L		J	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	900	Gross beta		-0.0379	0.538	2.21		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	900	Gross beta		1.73	0.654	2.46		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	08/01/02	WG	UF	CS		Rad	900	Gross beta		1.34	0.427	1.54		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	UF	CS	NA	Rad	Generic	Gross beta		2.44	3	0.781000018		pCi/L	J	U	STSL
R-12	507	07/12/06	WG	F	CS		Rad	901.1	Gross gamma		63	61.9	254		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	F	CS	NA	Rad	GS	Gross gamma		303	19.5	55		pCi/L		U	ATICO
R-12	507	07/12/06	WG	UF	CS		Rad	901.1	Gross gamma		104	192	350		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	901.1	Gross gamma		57.4	91.8	208		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	901.1	Gross gamma		99.9	92.9	352		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	901.1	Gross gamma		97.3	78.5	297		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	UF	CS	NA	Rad	GS	Gross gamma		3.04	110	5.369999886		pCi/L	U	U	STSL
R-12	507	07/12/06	WG	F	CS		Rad	901.1	Neptunium-237		-1.87	8.72	29.8		pCi/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Rad	GS	Neptunium-237		-5	6.5	13		pCi/L	U	U	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	03/15/01	WG	F	CS	NA	Rad	GS	Neptunium-237		4.7	4.15	6.9		pCi/L	U	U	PARA
R-12	507	09/19/00	WG	F	CS	NA	Rad	GS	Neptunium-237		-3	6	10		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	UF	CS		Rad	901.1	Neptunium-237		1.1	5.87	19.3		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	901.1	Neptunium-237		10.5	9.01	18.4		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	901.1	Neptunium-237		8.16	7.95	19.9		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	901.1	Neptunium-237		-8.23	8.95	30.5		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	GS	Neptunium-237		4	9.5	16		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	H300	Plutonium-238		0.00773	0.00388	0.0186		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	H300	Plutonium-238		-0.000314	0.0019	0.0122		pCi/L	U	U	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	H300	Plutonium-238		-0.0019	0.0044	0.023		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	H300	Plutonium-238		0	0.012	0.023		pCi/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	H300	Plutonium-238		0.0212	0.00645	0.0185		pCi/L		J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	AS	Plutonium-238		0.0085	0.00796	0.03		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	AS	Plutonium-238		0.0037	0.00585	0.026		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	AS	Plutonium-238		0	0.00532	0.0258		pCi/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	H300	Plutonium-238		0.005	0.007	0.031		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	H300	Plutonium-239/240		0.00193	0.00193	0.0216		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	H300	Plutonium-239/240		0.00188	0.0024	0.0107		pCi/L	U	U	STSL
R-12	507	07/12/06	WG	UF	CS		Rad	H300	Plutonium-239/240		0.0212	0.00645	0.0215		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	AS	Plutonium-239/240		0.00213	0.00475	0.026		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	AS	Plutonium-239/240		-0.0148	0.00556	0.023		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	AS	Plutonium-239/240		-0.00217	0.0084	0.0285		pCi/L			GELC
R-12	507	07/12/06	WG	F	CS		Rad	901.1	Potassium-40		27.1	15.8	58.1		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/10/01	WG	F	CS	NA	Rad	GS	Potassium-40		27.1	23	88.8000030 5		pCi/L	U	U	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	GS	Potassium-40		-21	34.5	57		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	GS	Potassium-40		-30	38.5	64		pCi/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	901.1	Potassium-40		7.6	24.5	53		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	901.1	Potassium-40		3.67	11.4	39.4		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	901.1	Potassium-40		11	22.2	32.4		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	901.1	Potassium-40		28	25.5	34.7		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	GS	Potassium-40		3	37	47		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	901.1	Sodium-22		0.187	1.18	4.5		pCi/L	U	U	GELC
R-12	507	06/13/01	WG	F	CS	NA	Rad	GS	Sodium-22		-0.2	1.3	2.2		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	GS	Sodium-22		0	1.45	2.4		pCi/L	U	U	PARA

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/19/00	WG	F	CS	NA	Rad	GS	Sodium-22		0.5	1.55	2.5		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	UF	CS		Rad	901.1	Sodium-22		2.28	1.07	4.56		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	901.1	Sodium-22		-0.27	0.914	3.17		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	901.1	Sodium-22		-0.0513	0.845	3		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	901.1	Sodium-22		0.168	1.11	4.26		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	GS	Sodium-22		-1	1.8	3		pCi/L	U	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	905.0	Strontium-90		0.00877	0.0722	0.355		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	Beta	Strontium-90		0.267	0.31	1.299999952		pCi/L	U	U	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	Beta	Strontium-90		-1.2	1.05	3.8		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	Beta	Strontium-90		-0.15	0.18			pCi/L		U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	905.0	Strontium-90		-0.0223	0.0624	0.323		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	GFPC	Strontium-90		-0.178	0.0687	0.336		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	GFPC	Strontium-90		0.0257	0.0594	0.263		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	GFPC	Strontium-90		-0.0107	0.0364	0.159		pCi/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	Beta	Strontium-90		0.06	0.19	0.65		pCi/L		U	ATICO
R-12	507	07/12/06	WG	UF	CS		Rad	LLEE	Tritium		12.58042	0.41509	0.28737		pCi/L			UMTL
R-12	507	02/01/06	WG	UF	CS		Rad	LLEE	Tritium		14.08113	0.47895	0.28737		pCi/L			UMTL
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	906.0	Tritium		-106	69.1	234		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	LLEE	Tritium		4.05511	0.28737		0.28737	pCi/L			UMTL
R-12	507	01/28/04	WG	UF	CS		Rad	906.0	Tritium		-18.6	69.5	230		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	LLEE	Tritium		60.25191	1.9158		0.28737	pCi/L			UMTL
R-12	507	01/28/04	WG	UF	DUP		Rad	906.0	Tritium		-168	64.7	223		pCi/L	U		GELC
R-12	507	01/28/04	WG	UF	DUP		Rad	LLEE	Tritium		58.24032	1.9158		0.28737	pCi/L			UMTL

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	08/01/02	WG	UF	CS		Rad	LLEE	Tritium		86.43451	1.62843		0.28737	pCi/L			UMTL
R-12	507	07/12/06	WG	F	CS		Rad	H300	Uranium-234		0.467	0.0415	0.0431		pCi/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	H300	Uranium-234		0.169	0.026	0.0141		pCi/L		NQ	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	H300	Uranium-234		0.292	0.044	0.054		pCi/L		NQ	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	H300	Uranium-234		0.3	0.06	0.079		pCi/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	H300	Uranium-234		0.5	0.0449	0.0476		pCi/L			GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	AS	Uranium-234		0.00719	0.00865	0.055		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	AS	Uranium-234		0.306	0.0381	0.06		pCi/L			GELC
R-12	507	08/01/02	WG	UF	CS		Rad	AS	Uranium-234		0.354	0.0391	0.0291		pCi/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	H300	Uranium-234		0.311	0.039	0.045		pCi/L		NQ	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	H300	Uranium-235/236		0.0204	0.00732	0.0364		pCi/L	U	U	GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0.00751	0.0044	0.00678		pCi/L	J	U	STSL

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	06/13/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0.019	0.0115	0.035		pCi/L	U	U	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0.03	0.0195	0.072		pCi/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	H300	Uranium-235/236		0.0254	0.00859	0.0401		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	AS	Uranium-235/236		-0.0024	0.011	0.032		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	AS	Uranium-235/236		2.48E-09	0.0122	0.034		pCi/L	U	U	GELC
R-12	507	08/01/02	WG	UF	CS		Rad	AS	Uranium-235/236		0.0389	0.0107	0.0179		pCi/L		J	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	H300	Uranium-235/236		0.066	0.017	0.038		pCi/L	LT	U	ATICO
R-12	507	07/12/06	WG	F	CS		Rad	H300	Uranium-238		0.312	0.0311	0.0459		pCi/L			GELC
R-12	507	09/10/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.0966	0.018	0.0141		pCi/L	J	NQ	STSL
R-12	507	06/13/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.192	0.035	0.052		pCi/L		NQ	PARA
R-12	507	03/15/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.29	0.055	0.072		pCi/L		NQ	PARA
R-12	507	07/12/06	WG	UF	CS		Rad	H300	Uranium-238		0.208	0.0259	0.0506		pCi/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	01/28/04	WG	UF	CS	EQB	Rad	AS	Uranium-238		0.0024	0.00928	0.035		pCi/L	U	U	GELC
R-12	507	01/28/04	WG	UF	CS		Rad	AS	Uranium-238		0.15	0.0228	0.038		pCi/L			GELC
R-12	507	08/01/02	WG	UF	CS		Rad	AS	Uranium-238		0.16	0.024	0.0318		pCi/L			GELC
R-12	507	09/19/00	WG	UF	CS	NA	Rad	H300	Uranium-238		0.207	0.031	0.04		pCi/L		NQ	ATICO
R-12	507	07/12/06	WG	UF	CS		SV	8270	Benzoic Acid	<	20.6			6.19	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		SV	8270	Benzoic Acid	<	21.3			6.38	µg/L	U	R	GELC
R-12	507	02/01/06	WG	UF	RE		SV	8270	Benzoic Acid	<	21.3			6.38	µg/L	U	R, UJ	GELC
R-12	507	09/19/00	WG	UF	CS	NA	SV	8270	Benzoic Acid	<	50				µg/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS	FTB	Voa	8260	Acetone		1.68			1.25	µg/L	J	J, J+	GELC
R-12	507	07/12/06	WG	UF	CS		Voa	8260	Acetone	<	5			1.25	µg/L	U	J	GELC
R-12	507	02/01/06	WG	UF	CS	FTB	Voa	8260	Acetone	<	5			1.25	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Voa	8260	Acetone	<	5			1.25	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/10/01	WG	UF	CS	NA	Voa	8260	Acetone		19.1				µg/L		J	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Voa	8260	Acetone	<	30				µg/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U	UJ	GELC
R-12	507	07/12/06	WG	UF	CS		Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	507	09/10/01	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	5				µg/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Voa	8260	Butanone[2-]	<	20				µg/L	U	U	PARA
R-12	507	07/12/06	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U	UJ	GELC
R-12	507	07/12/06	WG	UF	CS		Voa	8260	Methylene Chloride		2.77			2	µg/L	J		GELC
R-12	507	02/01/06	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U		GELC
R-12	507	02/01/06	WG	UF	CS		Voa	8260	Methylene Chloride	<	2.12			2	µg/L	BJ	J+, U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	507	09/10/01	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	5				µg/L	U	U	GELC
R-12	507	09/19/00	WG	UF	CS	NA	Voa	8260	Methylene Chloride	<	5				µg/L	U	U	PARA
R-12	810.8	07/12/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3		2.08			0.725	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3		2.44			1.45	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3		1.47			1.45	mg/L	J		GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3		2			0.725	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U	UJ	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		139			0.725	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		130			1.45	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		144			1.45	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	310.1	Alkalinity-CO3+HCO3		0.171				mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		139			0.725	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		168			1.45	mg/L		J	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	310.1	Alkalinity-CO3+HCO3	<	1.45			1.45	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		141			1.45	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.034			0.01	mg/L	J	J-, U	GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.01			0.01	mg/L	U	UJ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.04			0.01	mg/L	J	J-, U	GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.01			0.01	mg/L	U	R, UJ	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	350.1	Ammonia as Nitrogen	<	0.024			0.024	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.024			0.024	mg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	350.1	Ammonia as Nitrogen	<	0.024			0.024	mg/L	U		GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.04			0.024	mg/L	J		GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	6010	Calcium		31.1			0.036	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	6010	Calcium		29.6			0.036	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	6010	Calcium		30.6			0.036	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	6010	Calcium		44				mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	6010	Calcium		30.7			0.036	mg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	6010	Calcium		30.4			0.036	mg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Inorg	6010	Calcium		31			0.036	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	6010	Calcium		32.9			0.00554	mg/L			GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	410.4	Chemical Oxygen Demand		13.2			0.89	mg/L		J-	GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	300	Chloride		8.48			0.066	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/31/06	WG	F	CS		Inorg	300	Chloride		8.47			0.053	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	300	Chloride		8.5			0.053	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	325.1	Chloride		8.89				mg/L		NQ	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	300	Chloride		8.81			0.025	mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	300	Chloride		8.49			0.066	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	300	Chloride		9.19			0.0322	mg/L		J	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	300	Chloride	<	0.0322			0.0322	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	300	Chloride		8.84			0.0322	mg/L			GELC
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	300	Chloride		8.94			0.0322	mg/L			GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	300	Chloride		8.48			0.0322	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	300	Fluoride		0.362			0.033	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	300	Fluoride		0.389			0.03	mg/L		J+	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Inorg	300	Fluoride		0.232			0.03	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	300	Fluoride		0.367				mg/L		NQ	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	300	Fluoride		0.364			0.014	mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	300	Fluoride		0.275			0.033	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	300	Fluoride		0.389			0.0553	mg/L		J	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	300	Fluoride	<	0.0553			0.0553	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	300	Fluoride		0.368			0.0553	mg/L			GELC
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	300	Fluoride		0.367			0.0553	mg/L			GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	300	Fluoride		0.302			0.0553	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	A2340	Hardness		113			0.085	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	A2340	Hardness		110			0.085	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	A2340	Hardness		114			0.085	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	07/12/06	WG	UF	CS		Inorg	A2340	Hardness		112			0.085	mg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	A2340	Hardness		113			0.085	mg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Inorg	A2340	Hardness		116			0.085	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	200.7	Hardness		120			0.00554	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	6010	Magnesium		8.72			0.085	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	6010	Magnesium		8.84			0.085	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	6010	Magnesium		9.03			0.085	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	6010	Magnesium		10.4				mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	6010	Magnesium		8.65			0.085	mg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	6010	Magnesium		9.04			0.085	mg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Inorg	6010	Magnesium		9.28			0.085	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	6010	Magnesium		9.15			0.00518	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	07/12/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N		0.0215			0.014	mg/L	J		GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N		0.0439			0.017	mg/L	J		GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.017			0.017	mg/L	U	R	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	353.1	Nitrate-Nitrite as N		0.01				mg/L	J	J	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.014			0.014	mg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U	UJ	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U		GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	353.1	Nitrate-Nitrite as N	<	0.01			0.01	mg/L	U	J-	GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	6850	Perchlorate		0.0685			0.05	µg/L	J		GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	6850	Perchlorate		0.0978			0.05	µg/L	J	J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/31/06	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U		GELC
R-12	810.8	06/14/01	WG	F	CS	NA	Inorg	300	Perchlorate	<	0.958				µg/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	6850	Perchlorate		0.0509			0.05	µg/L	J	J-	GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	314.0	Perchlorate	<	1.45			1.45	µg/L	U		GELC
R-12	810.8	09/20/00	WG	UF	CS	NA	Inorg	300	Perchlorate	<	1.04				µg/L	U	U	GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	6010	Potassium		3.77			0.05	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	6010	Potassium		3.97			0.05	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Inorg	6010	Potassium		4.36			0.05	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	6010	Potassium		4.28				mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	6010	Potassium		3.76			0.05	mg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	6010	Potassium		3.99			0.05	mg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Inorg	6010	Potassium		4.28			0.05	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	6010	Potassium		4.05			0.0165	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	6010	Silicon Dioxide		53.6			0.032	mg/L	N	J	GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	6010	Silicon Dioxide		53.8			0.032	mg/L		J-	GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	6010	Silicon Dioxide		55			0.032	mg/L			GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		52.4			0.032	mg/L	N	J	GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	6010	Silicon Dioxide		55.5			0.032	mg/L		J-	GELC
R-12	810.8	06/20/05	WG	UF	CS		Inorg	6010	Silicon Dioxide		56.6			0.032	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS		Inorg	6010	Silicon Dioxide		58.3			0.0212	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	6010	Sodium		20			0.045	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	6010	Sodium		19			0.045	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	6010	Sodium		20.6			0.045	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	6010	Sodium		18.3				mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	6010	Sodium		19.7			0.045	mg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	6010	Sodium		19.4			0.045	mg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Inorg	6010	Sodium		20.5			0.045	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	6010	Sodium		20.4			0.0144	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	120.1	Specific Conductance		336			1	uS/cm			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	120.1	Specific Conductance		321			1	uS/cm			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	9050	Specific Conductance		303			1	uS/cm			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	79-4	Specific Conductance		358				uS/cm 2		NQ	HUFF MAN
R-12	810.8	07/12/06	WG	UF	CS		Inorg	120.1	Specific Conductance		329			1	uS/cm			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	9050	Specific Conductance		285			1	uS/cm		J	GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	300	Sulfate		8.59			0.1	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	300	Sulfate		8.49			0.057	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	300	Sulfate		8.86			0.057	mg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	300	Sulfate		10.5				mg/L		NQ	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	300	Sulfate		13.4			0.061 9999 99	mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	300	Sulfate		8.53			0.1	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	300	Sulfate		9.15			0.193	mg/L		J	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	300	Sulfate	<	0.193			0.193	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	300	Sulfate		8.4			0.193	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	300	Sulfate		8.36			0.193	mg/L			GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	300	Sulfate		8.75			0.193	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		217			2.38	mg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	160.1	Total Dissolved Solids		219			2.38	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	160.1	Total Dissolved Solids		204			2.38	mg/L			GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		211			2.38	mg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		221			3.07	mg/L		J	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	160.1	Total Dissolved Solids	<	3.07			3.07	mg/L	U		GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		221			3.07	mg/L			GELC
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	160.1	Total Dissolved Solids		221			3.07	mg/L			GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	160.1	Total Dissolved Solids		233			3.07	mg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen	<	0.027			0.01	mg/L	J	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01			0.01	mg/L	U	R	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.3				mg/L		NQ	GELC
R-12	810.8	06/14/01	WG	F	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.4				mg/L		NQ	LVLI
R-12	810.8	07/12/06	WG	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen	<	0.063			0.01	mg/L	J	U	GELC
R-12	810.8	01/31/06	WG	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01			0.01	mg/L	U	R, UJ	GELC
R-12	810.8	09/20/00	WG	UF	CS	NA	Inorg	351.2	Total Kjeldahl Nitrogen		0.28				mg/L		NQ	RECRAP
R-12	810.8	07/12/06	WG	UF	CS		Inorg	9060	Total Organic Carbon		1.02			0.33	mg/L			GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Inorg	9060	Total Organic Carbon		0.31			0.025	mg/L		J-	GELC
R-12	810.8	01/27/04	WG	UF	CS		Inorg	9060	Total Organic Carbon		1.03			0.025	mg/L			GELC
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	9060	Total Organic Carbon		1.11			0.025	mg/L			GELC
R-12	810.8	01/27/04	WG	UF	DUP		Inorg	415.1	Total Organic Carbon		1.11			0.025	mg/L			GELC
R-12	810.8	08/01/02	WG	UF	CS		Inorg	9060	Total Organic Carbon		0.886			0.025	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	09/11/01	WG	UF	CS	NA	Inorg	415.1	Total Organic Carbon		1.38				mg/L		NQ	GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U		GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.231			0.01	mg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.1			0.01	mg/L			GELC
R-12	810.8	07/12/06	WG	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Inorg	150.1	pH		8.66			0.01	SU	H	J	GELC
R-12	810.8	01/31/06	WG	F	CS		Inorg	150.1	pH		8.07			0.01	SU	H	J	GELC
R-12	810.8	06/20/05	WG	F	CS		Inorg	150.1	pH		8.04			0.01	SU	H	J	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Inorg	79-4	pH		8.1				SU		NQ	HUFFMAN
R-12	810.8	07/12/06	WG	UF	CS		Inorg	150.1	pH		8.24			0.01	SU	H	J	GELC
R-12	810.8	06/03/04	WG	UF	CS		Inorg	150.1	pH		8.09				SU	H	J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Barium		137			1	µg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Barium		126			1	µg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Barium		120			1	µg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Barium		145				µg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Barium		131			1	µg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Barium		131			1	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Barium		128			1	µg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Barium		141			0.222	µg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Boron		62.6			10	µg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Boron		62.4			10	µg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Boron		56.7			10	µg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Boron	<	72.7				µg/L		U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Boron		61.9			10	µg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Boron		62.7			10	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Boron		58			10	µg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Boron		60.7			4.88	µg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6020	Chromium		1.1			1	µg/L	J		GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Chromium		1			1	µg/L	J		GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Chromium	<	1			1	µg/L	U	UJ	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Chromium	<	0.57				µg/L	U	U	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6020	Chromium		2.3			1	µg/L	J		GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Chromium		3.3			1	µg/L	J		GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Chromium	<	1			1	µg/L	U	UJ	GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Chromium		2.98			0.503	µg/L	B		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Iron		109			18	µg/L		J+	GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Iron		151			18	µg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Iron		147			18	µg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Iron	<	2.24				µg/L	U	U	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Iron		91.3			18	µg/L	J	J+	GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Iron		162			18	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Iron		134			18	µg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Iron		316			12.6	µg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Lead	<	0.011				µg/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6020	Lead	<	0.011				µg/L	U	U	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6020	Lead		0.059			0.05	µg/L	B		GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Manganese		132			2	µg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Manganese		122			2	µg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Manganese		119			2	µg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Manganese		340				µg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Manganese		138			2	µg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Manganese		125			2	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Manganese		127			2	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Manganese		201			0.296	µg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Molybdenum		6			2	µg/L	J		GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Molybdenum	<	6.7			2	µg/L	J	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Molybdenum		6.8			2	µg/L	J		GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Molybdenum		5.92				µg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Molybdenum		5.3			2	µg/L	J		GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Molybdenum	<	7.7			2	µg/L	J	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Molybdenum		3.8			2	µg/L	J		GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Molybdenum		5.02			1.43	µg/L	B		GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6020	Nickel		2.3			0.5	µg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6020	Nickel		1.4			0.5	µg/L	J		GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6020	Nickel		1.3			0.5	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Nickel		4.8				µg/L	B	J	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6020	Nickel		3			0.5	µg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6020	Nickel		2.7			0.5	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6020	Nickel		1.6			0.5	µg/L	J		GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Nickel	<	2.69			0.69	µg/L	B	U	GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Strontium		210			1	µg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Strontium		198			1	µg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Strontium		208			1	µg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Strontium		231				µg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Strontium		206			1	µg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Strontium		205			1	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Strontium		211			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Strontium		213			0.178	µg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Thallium		0.1				µg/L	B	J	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6020	Thallium	<	0.021				µg/L	U	U	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6020	Thallium	<	0.02			0.02	µg/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6020	Uranium		1.3			0.05	µg/L			GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6020	Uranium		1.2			0.05	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Met	6020	Uranium		1			0.05	µg/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6020	Uranium		1.94				µg/L		NQ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6020	Uranium		1.2			0.05	µg/L			GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6020	Uranium		1.3			0.05	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6020	Uranium		1.2			0.05	µg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6020	Uranium		1.39			0.02	µg/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Vanadium		1.4			1	µg/L	J		GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Vanadium	<	2			1	µg/L	J	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Vanadium	<	1			1	µg/L	U	UJ	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Vanadium		2.3				µg/L	B	J	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Vanadium	<	1			1	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Vanadium	<	2.5			1	µg/L	J	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Vanadium		2.1			1	µg/L	J	JN-	GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Vanadium	<	0.606			0.606	µg/L	U	UJ	GELC
R-12	810.8	07/12/06	WG	F	CS		Met	6010	Zinc	<	3.7			2	µg/L	J	U	GELC
R-12	810.8	01/31/06	WG	F	CS		Met	6010	Zinc		14.8			2	µg/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Met	6010	Zinc		5.9			2	µg/L	J		GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Met	6010	Zinc	<	2.73				µg/L	B	U	GELC
R-12	810.8	07/12/06	WG	UF	CS		Met	6010	Zinc	<	3.8			2	µg/L	J	U	GELC
R-12	810.8	01/31/06	WG	UF	CS		Met	6010	Zinc		30.7			2	µg/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Met	6010	Zinc		4.1			2	µg/L	J		GELC
R-12	810.8	06/03/04	WG	UF	CS		Met	6010	Zinc	<	3.11			0.883	µg/L	B	U	GELC
R-12	810.8	07/12/06	WG	UF	CS		Pest	8082	Aroclor-1242		4.5			0.173	µg/L	B		GELC
R-12	810.8	06/20/05	WG	UF	CS		Pest	8082	Aroclor-1242	<	0.12				µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS	EQB	Pest	8082	Aroclor-1242	<	0.1				µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Pest	8082	Aroclor-1242	<	0.1				µg/L	U		GELC
R-12	810.8	09/11/01	WG	UF	CS	NA	Pest	8080	Aroclor-1242	<	0.1				µg/L	U	U	GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	H300	Americium-241		-0.0129	0.0161	0.0306		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	H300	Americium-241		0.00593	0.00414	0.028		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	H300	Americium-241		0.00746	0.00415	0.0122		pCi/L	U	U	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	H300	Americium-241		0.005	0.009	0.041		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	H300	Americium-241		-0.00743	0.00324	0.0258		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	H300	Americium-241		-0.0206	0.0091	0.037		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	AS	Americium-241		0.0075	0.0056	0.044		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	AS	Americium-241		0.00183	0.00317	0.032		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	AS	Americium-241		0.00729	0.00544	0.043		pCi/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	07/12/06	WG	F	CS		Rad	901.1	Cesium-137		1.35	1.05	4.17		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	901.1	Cesium-137		-0.0283	1.02	3.58		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	GS	Cesium-137		2.19	1.3	5.150000095		pCi/L	U	U	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	GS	Cesium-137		-1.4	1.2	2		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	901.1	Cesium-137		0.604	1.19	4.41		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	901.1	Cesium-137		0.834	0.995	3.69		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	901.1	Cesium-137		4.83	4.34	6.32		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	901.1	Cesium-137		0.721	1.09	3.93		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	901.1	Cesium-137		0.803	1.1	3.91		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	901.1	Cesium-137		-2.11	1.6	5.29		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	901.1	Cobalt-60		0.456	1.11	4.43		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Rad	901.1	Cobalt-60		0.233	1.35	3.64		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	GS	Cobalt-60		2.55	1.25	5.65999847		pCi/L	U	U	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	GS	Cobalt-60		0	1.35	2.2		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	901.1	Cobalt-60		-1.3	1.09	3.59		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	901.1	Cobalt-60		-0.036	0.775	3.02		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	901.1	Cobalt-60		2.4	2.02	6.31		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	901.1	Cobalt-60		1.59	0.726	3.53		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	901.1	Cobalt-60		2.4	1.28	4.95		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	901.1	Cobalt-60		3.27	1.62	6.55		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	900	Gross alpha		0.473	0.519	2.38		pCi/L	U	J-, U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	900	Gross alpha		1.85	0.488	0.929		pCi/L		J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	09/20/00	WG	F	CS	NA	Rad	Generic	Gross alpha		1.2	0.6	2		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	900	Gross alpha		1.53	0.503	1.4		pCi/L		J, J-	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	900	Gross alpha		2.02	0.484	1.19		pCi/L		J	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	900	Gross alpha		0.641	0.472	1.86		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	900	Gross alpha		-0.343	0.197	1.02		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	900	Gross alpha		1.08	0.385	1.24		pCi/L	U	U	GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	900	Gross beta		3.99	0.592	2.05		pCi/L		J	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	900	Gross beta		3.97	0.737	2.51		pCi/L		J	GELC
R-12	810.8	09/20/00	WG	F	CS	NA	Rad	Generic	Gross beta		4.9	0.7	1.8		pCi/L		NQ	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	900	Gross beta		4.4	0.576	1.95		pCi/L		J	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	900	Gross beta		15.6	1.12	2.98		pCi/L		J	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	900	Gross beta		2.65	0.465	1.49		pCi/L		J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	900	Gross beta		0.408	0.53	2.12		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	900	Gross beta		3.98	0.791	2.74		pCi/L		J	GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	901.1	Gross gamma		95.8	86.6	358		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	901.1	Gross gamma		88.3	64.3	295		pCi/L	U	U	GELC
R-12	810.8	09/20/00	WG	F	CS	NA	Rad	GS	Gross gamma		346	21	56		pCi/L		U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	901.1	Gross gamma		96.1	98.6	364		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	901.1	Gross gamma		68	73.3	278		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	901.1	Gross gamma		123	157	629		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	901.1	Gross gamma		241	91.4	510		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	901.1	Gross gamma		188	73.5	347		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	901.1	Gross gamma		264	99.1	569		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	901.1	Neptunium-237		-4.03	8.36	29.6		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Rad	901.1	Neptunium-237		-6.74	8.57	25.4		pCi/L	U	U	GELC
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	GS	Neptunium-237		-10	6.5	10		pCi/L	U	U	PARA
R-12	810.8	03/15/01	WG	F	CS	NA	Rad	GS	Neptunium-237		-4	14.5	24		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	901.1	Neptunium-237		8.02	8.89	31.6		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	901.1	Neptunium-237		-4.23	7.54	25.1		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	901.1	Neptunium-237		5.23	10.7	35.8		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	901.1	Neptunium-237		4.59	7.55	26.3		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	901.1	Neptunium-237		-0.0606	6.58	22.8		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	901.1	Neptunium-237		9.68	9.73	20.8		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	H300	Plutonium-238		0.0126	0.0136	0.0201		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	H300	Plutonium-238		0.0041	0.0151	0.042		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	H300	Plutonium-238		0.00233	0.00215	0.00822		pCi/L	U	U	STSL

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	H300	Plutonium-238		0.005	0.007	0.028		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	H300	Plutonium-238		0.0118	0.00768	0.01888		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	H300	Plutonium-238		-0.00422	0.0103	0.044		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	AS	Plutonium-238		-0.0108	0.0099	0.033		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	AS	Plutonium-238		0.0105	0.00699	0.029		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	AS	Plutonium-238		0.00402	0.00696	0.028		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	AS	Plutonium-238		0.00474	0.00821	0.033		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	H300	Plutonium-239/240		-0.0293	0.0143	0.0235		pCi/L	U	R	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	H300	Plutonium-239/240		0.00614	0.00615	0.036		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	H300	Plutonium-239/240		0.00494	0.00345	0.0125		pCi/L	U	U	STSL
R-12	810.8	07/12/06	WG	UF	CS		Rad	H300	Plutonium-239/240		-0.00391	0.00392	0.0219		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	H300	Plutonium-239/240		-0.00211	0.00558	0.037		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS		Rad	AS	Plutonium-239/240		0.00216	0.00483	0.035		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	AS	Plutonium-239/240		0.00842	0.00422	0.026		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	AS	Plutonium-239/240		0.00201	0.00201	0.025		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	AS	Plutonium-239/240		0	0.00335	0.029		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	901.1	Potassium-40		12.1	19	49.2		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	901.1	Potassium-40		37.9	12	51.1		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	GS	Potassium-40		-6.92	21.5	79.0999847		pCi/L	U	U	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	GS	Potassium-40		5	35.5	58		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	901.1	Potassium-40		20.4	18.4	28.6		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	901.1	Potassium-40		1.16	15.6	38.1		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	901.1	Potassium-40		105	36.7	68.1		pCi/L		J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	901.1	Potassium-40		19.5	28.6	38		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	901.1	Potassium-40		49.2	24.8	36		pCi/L		J	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	901.1	Potassium-40		49.1	31.2	44.4		pCi/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	901.1	Sodium-22		-0.948	1.08	3.8		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	901.1	Sodium-22		1.27	1.01	4.05		pCi/L	U	U	GELC
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	GS	Sodium-22		0.9	1.35	2.1		pCi/L	U	U	PARA
R-12	810.8	03/15/01	WG	F	CS	NA	Rad	GS	Sodium-22		1.5	1.8	2.9		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	901.1	Sodium-22		3.68	0.843	3.77		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	901.1	Sodium-22		0.809	0.803	3.14		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	901.1	Sodium-22		2.13	1.65	6.39		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	901.1	Sodium-22		-0.468	1	3.46		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	901.1	Sodium-22		-2.56	1.46	3.88		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/27/04	WG	UF	DUP		Rad	901.1	Sodium-22		-2.16	1.71	5.69		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	905.0	Strontium-90		-0.356	0.0739	0.354		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	905.0	Strontium-90		0.0889	0.0427	0.139		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	Beta	Strontium-90		0.165	0.29	1.25999999		pCi/L	U	U	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	Beta	Strontium-90		-0.6	0.8	2.9		pCi/L	U	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	905.0	Strontium-90		0.212	0.134	0.532		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	905.0	Strontium-90		0.0282	0.0441	0.167		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	GFPC	Strontium-90		0.0776	0.0474	0.15		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	GFPC	Strontium-90		0.157	0.0606	0.206		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	GFPC	Strontium-90		0.0894	0.0527	0.193		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	GFPC	Strontium-90		-0.0625	0.0556	0.225		pCi/L	U		GELC
R-12	810.8	07/12/06	WG	UF	CS		Rad	LLEE	Tritium		37.6774	1.2772	0.28737		pCi/L			UMTL

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/31/06	WG	UF	CS		Rad	LLEE	Tritium		37.6774	1.2772	0.28737		pCi/L			UMTL
R-12	810.8	06/20/05	WG	UF	CS		Rad	906.0	Tritium		0	52.9	181		pCi/L	U	U	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	906.0	Tritium		-103	56.8	195		pCi/L	U	U	GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	H300	Uranium-234		0.784	0.0623	0.0558		pCi/L			GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	H300	Uranium-234		0.843	0.0626	0.076		pCi/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	H300	Uranium-234		1.33	0.13	0.0117		pCi/L		NQ	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	H300	Uranium-234		1.2	0.115	0.053		pCi/L		NQ	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	H300	Uranium-234		0.796	0.0593	0.0476		pCi/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	H300	Uranium-234		0.945	0.0659	0.089		pCi/L		J	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	AS	Uranium-234		0.854	0.0733	0.082		pCi/L			GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	AS	Uranium-234		0.00215	0.00713	0.05		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	AS	Uranium-234		0.812	0.0672	0.05		pCi/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/27/04	WG	UF	DUP		Rad	AS	Uranium-234		0.789	0.0664	0.053		pCi/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	H300	Uranium-235/236		0.0298	0.012	0.0471		pCi/L	U	U	GELC
R-12	810.8	06/20/05	WG	F	CS		Rad	H300	Uranium-235/236		0.0374	0.00985	0.046		pCi/L	U	U	GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0.0222	0.0065	0.00462		pCi/L	J	J-	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	H300	Uranium-235/236		0.052	0.019	0.043		pCi/L	LT	U	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	H300	Uranium-235/236		0.0451	0.0128	0.0401		pCi/L		J	GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	H300	Uranium-235/236		0.0795	0.0156	0.055		pCi/L		J	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	AS	Uranium-235/236		0.164	0.0235	0.05		pCi/L			GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	AS	Uranium-235/236		0.00431	0.0061	0.028		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	AS	Uranium-235/236		0.0371	0.0112	0.029		pCi/L		J	GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	AS	Uranium-235/236		0.048	0.0142	0.03		pCi/L			GELC
R-12	810.8	07/12/06	WG	F	CS		Rad	H300	Uranium-238		0.46	0.0431	0.0594		pCi/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/20/05	WG	F	CS		Rad	H300	Uranium-238		0.448	0.0405	0.054		pCi/L			GELC
R-12	810.8	09/11/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.7	0.07	0.0133		pCi/L		NQ	STSL
R-12	810.8	06/14/01	WG	F	CS	NA	Rad	H300	Uranium-238		0.67	0.075	0.05		pCi/L		NQ	PARA
R-12	810.8	07/12/06	WG	UF	CS		Rad	H300	Uranium-238		0.41	0.0376	0.0506		pCi/L			GELC
R-12	810.8	06/20/05	WG	UF	CS		Rad	H300	Uranium-238		0.502	0.044	0.063		pCi/L		J	GELC
R-12	810.8	06/03/04	WG	UF	CS		Rad	AS	Uranium-238		0.431	0.0438	0.058		pCi/L			GELC
R-12	810.8	01/27/04	WG	UF	CS	EQB	Rad	AS	Uranium-238		-0.00215	0.00481	0.032		pCi/L	U	U	GELC
R-12	810.8	01/27/04	WG	UF	CS		Rad	AS	Uranium-238		0.427	0.0412	0.032		pCi/L			GELC
R-12	810.8	01/27/04	WG	UF	DUP		Rad	AS	Uranium-238		0.463	0.0441	0.033		pCi/L			GELC
R-12	810.8	07/12/06	WG	UF	CS		SV	8270	Benzoic Acid	<	21.1			6.32	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		SV	8270	Benzoic Acid	<	20.4			6.12	µg/L	U	R, UJ	GELC
R-12	810.8	06/20/05	WG	UF	CS		SV	8270	Benzoic Acid		16.2				µg/L	J	J+	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS	EQB	SV	8270	Benzoic Acid	<	20				µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		SV	8270	Benzoic Acid	<	20.4				µg/L	U		GELC
R-12	810.8	07/12/06	WG	UF	CS	FTB	Voa	8260	Acetone		1.63			1.25	µg/L	J	J, J+	GELC
R-12	810.8	07/12/06	WG	UF	CS		Voa	8260	Acetone	<	2.92			1.25	µg/L	BJ	J, J+, U	GELC
R-12	810.8	01/31/06	WG	UF	CS	FTB	Voa	8260	Acetone	<	5			1.25	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		Voa	8260	Acetone	<	5			1.25	µg/L	U		GELC
R-12	810.8	06/20/05	WG	UF	CS	FTB	Voa	8260	Acetone	<	5				µg/L	U	R	GELC
R-12	810.8	06/03/04	WG	UF	CS	EQB	Voa	8260	Acetone		49.1				µg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS	FTB	Voa	8260	Acetone	<	5				µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Voa	8260	Acetone	<	5				µg/L	U		GELC
R-12	810.8	07/12/06	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U	UJ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U	UJ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	01/31/06	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		Voa	8260	Butanone[2-]	<	5			1.25	µg/L	U		GELC
R-12	810.8	06/20/05	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5				µg/L	U	UJ	GELC
R-12	810.8	06/03/04	WG	UF	CS	EQB	Voa	8260	Butanone[2-]		22.5				µg/L			GELC
R-12	810.8	06/03/04	WG	UF	CS	FTB	Voa	8260	Butanone[2-]	<	5				µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Voa	8260	Butanone[2-]	<	5				µg/L	U		GELC
R-12	810.8	07/12/06	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U	UJ	GELC
R-12	810.8	07/12/06	WG	UF	CS		Voa	8260	Methylene Chloride		2.63			2	µg/L	J		GELC
R-12	810.8	01/31/06	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5			2	µg/L	U		GELC
R-12	810.8	01/31/06	WG	UF	CS		Voa	8260	Methylene Chloride	<	2.8			2	µg/L	BJ	J+, U	GELC
R-12	810.8	06/20/05	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5				µg/L	U	R	GELC
R-12	810.8	06/03/04	WG	UF	CS	EQB	Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
R-12	810.8	06/03/04	WG	UF	CS	FTB	Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC
R-12	810.8	06/03/04	WG	UF	CS		Voa	8260	Methylene Chloride	<	5				µg/L	U		GELC
R-12		05/14/98	W	UF	CS		Rad	906.0	Tritium		0.14	-2	3	0	pCi/L		U	RFWC
R-12		05/14/98	W	UF	CS		Rad	906.0	Tritium		0.03	0.28	0	0	pCi/L	*	NQ	PARA
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3		1.28			0.725	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3		1.41			0.725	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	310.1	Alkalinity-CO3		0.868			0.725	mg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	310.1	Alkalinity-CO3	<	1.45			1.45	mg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		144			0.725	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		115			0.725	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		147			1.45	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		129			1.45	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		144			0.725	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	310.1	Alkalinity-CO3+HCO3	<	1.45			1.45	mg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	350.1	Ammonia as Nitrogen		0.058			0.01	mg/L		J-	GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.079			0.01	mg/L		U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.01			0.01	mg/L	U	R	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.052			0.01	mg/L		J-	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.091			0.01	mg/L		U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	350.1	Ammonia as Nitrogen	<	0.01			0.01	mg/L	U	R	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	300	Bromide		0.233			0.066	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	300	Bromide		0.621			0.041	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	300	Bromide		0.199			0.066	mg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	300	Bromide	<	0.041			0.041	mg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	6010	Calcium		24.3			0.036	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	200.7	Calcium		20.7			0.036	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	6010	Calcium		22.2			0.036	mg/L		J-	GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	200.7	Calcium		22			0.00823	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	6010	Calcium		24.3			0.036	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	200.7	Calcium		21.1			0.036	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	6010	Calcium	<	0.036			0.036	mg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	6010	Calcium		22.5			0.036	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Inorg	200.7	Calcium		21.5			0.00823	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	300	Chloride		69.2			0.66	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	300	Chloride		95.2			1.06	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	300	Chloride		69.2			0.322	mg/L			GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	300	Chloride		79.2			0.322	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	300	Chloride		70.3			0.66	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	300	Chloride		0.06			0.053	mg/L	J		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	300	Fluoride		0.508			0.033	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	300	Fluoride		0.426			0.03	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	300	Fluoride		0.626			0.0553	mg/L			GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	300	Fluoride	<	0.59			0.0553	mg/L		U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	300	Fluoride		0.474			0.033	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	300	Fluoride	<	0.03			0.03	mg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	A2340	Hardness		89.4			0.085	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	A2340	Hardness		77.4			0.085	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	A2340	Hardness		83.7			0.085	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	200.7	Hardness		81.9			0.00823	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	A2340	Hardness		89.8			0.085	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	A2340	Hardness		78.9			0.085	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	A2340	Hardness		0.156			0.085	mg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	A2340	Hardness		84			0.085	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	6010	Magnesium		6.98			0.085	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	200.7	Magnesium		6.21			0.085	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	6010	Magnesium		6.88			0.085	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	200.7	Magnesium		6.55			0.00332	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	6010	Magnesium		7.06			0.085	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	200.7	Magnesium		6.39			0.085	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	6010	Magnesium	<	0.085			0.085	mg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	6010	Magnesium		6.76			0.085	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Inorg	200.7	Magnesium		6.44			0.00332	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	353.1	Nitrate-Nitrite as N		3.55			0.014	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	353.1	Nitrate-Nitrite as N		1.71			0.014	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	353.1	Nitrate-Nitrite as N		2.62			0.003	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	353.1	Nitrate-Nitrite as N		1.3			0.01	mg/L		J-	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		3.65			0.014	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		1.6			0.014	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	353.1	Nitrate-Nitrite as N	<	0.003			0.003	mg/L	U	R	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	6850	Perchlorate		0.902			0.05	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	6850	Perchlorate		0.721			0.05	µg/L		J	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	6850	Perchlorate	<	0.05			0.05	µg/L	U	UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Inorg	6850	Perchlorate		0.553			0.05	µg/L		J-	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Inorg	314.0	Perchlorate	<	0.989			0.989	µg/L	U		GELC
Sandia below Wetlands		07/24/03	WS	UF	DUP		Inorg	314.0	Perchlorate	<	0.989			0.989	µg/L	U		GELC
Sandia below Wetlands		05/08/02	WS	UF	CS		Inorg	314.0	Perchlorate	<	0.958			0.958	µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	6010	Potassium		12.1			0.05	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	200.7	Potassium		13.9			0.05	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	6010	Potassium		14.1			0.05	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	200.7	Potassium		12.7			0.0372	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	6010	Potassium		12.2			0.05	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	200.7	Potassium		13.6			0.05	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	6010	Potassium	<	0.05			0.05	mg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	6010	Potassium		14.2			0.05	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Inorg	200.7	Potassium		12.2			0.0372	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	6010	Silicon Dioxide		107			0.16	mg/L		J-	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	6010	Silicon Dioxide		76.6			0.032	mg/L		J+	GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	200.7	Silicon Dioxide		110			0.0243	mg/L			GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	200.7	Silicon Dioxide		118			0.0243	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	6010	Silicon Dioxide		109			0.16	mg/L		J-	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	6010	Silicon Dioxide	<	0.25			0.032	mg/L		UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	6010	Silicon Dioxide		82.2			0.032	mg/L		J+	GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Inorg	200.7	Silicon Dioxide		115			0.012 2	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	6010	Sodium		91.3			0.045	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	200.7	Sodium		87.3			0.045	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	6010	Sodium		98.2			0.045	mg/L		J-	GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	200.7	Sodium		92.1			0.02	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	6010	Sodium		89.7			0.045	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	200.7	Sodium		84.7			0.045	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	6010	Sodium	<	0.056 6			0.045	mg/L	J	UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	6010	Sodium		99			0.045	mg/L		J+	GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Inorg	200.7	Sodium		89.2			0.02	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	120.1	Specific Conductance		627			1	uS/cm			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	9050	Specific Conductance		697			1	uS/cm			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	9050	Specific Conductance		497			1	uS/cm			GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	9050	Specific Conductance		877			1	uS/cm			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	120.1	Specific Conductance		632			1	uS/cm			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	9050	Specific Conductance		1.3			1	uS/cm			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	300	Sulfate		13.7			0.1	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	300	Sulfate		15.5			0.057	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	300	Sulfate		23.7			0.193	mg/L			GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	300	Sulfate		161			1.93	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	300	Sulfate		13.7			0.1	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	300	Sulfate	<	0.057			0.057	mg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	160.2	Suspended Sediment Concentration		29			2.85	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	160.2	Suspended Sediment Concentration		43.1			0.713	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	160.2	Suspended Sediment Concentration	<	2.28			2.28	mg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Inorg	160.2	Suspended Sediment Concentration		68			5.7	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	RE		Inorg	160.2	Suspended Sediment Concentration		75			5.7	mg/L			GELC
Sandia below Wetlands		08/28/02	WS	UF	CS		Inorg	160.2	Suspended Sediment Concentration		13.8			0.402	mg/L			GELC
Sandia below Wetlands		08/20/02	WS	UNK	CS		Inorg	160.2	Suspended Sediment Concentration		31.8			0.849	mg/L			GELC
Sandia below Wetlands		08/20/02	WS	UNK	DUP		Inorg	160.2	Suspended Sediment Concentration		31.8			0.849	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	160.1	Total Dissolved Solids		450			2.38	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	160.1	Total Dissolved Solids		479			2.38	mg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	160.1	Total Dissolved Solids		456			3.07	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	160.1	Total Dissolved Solids		88			3.07	mg/L			GELC
Sandia below Wetlands		07/24/03	WS	F	DUP		Inorg	160.1	Total Dissolved Solids		85			3.07	mg/L	H		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	160.1	Total Dissolved Solids		443			2.38	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	160.1	Total Dissolved Solids	<	2.38			2.38	mg/L	U	UJ	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.49			0.01	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.72			0.01	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.68			0.01	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.966			0.01	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		0.989			0.01	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	351.2	Total Kjeldahl Nitrogen	<	0.01			0.01	mg/L	U	UJ	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	9060	Total Organic Carbon		5.64			0.33	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	9060	Total Organic Carbon		5.4			0.33	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.52			0.01	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		4.06			0.1	mg/L		J	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		4.16			0.01	mg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.52			0.01	mg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.85			0.01	mg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	365.4	Total Phosphate as Phosphorus	<	0.01			0.01	mg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Inorg	150.1	pH		7.91			0.01	SU	H	J	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Inorg	150.1	pH		7.73			0.01	SU	H	J	GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Inorg	150.1	pH		7.98				SU	H	J	GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Inorg	150.1	pH		7.8			0.01	SU	H	J	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Inorg	150.1	pH		7.81			0.01	SU	H	J	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Inorg	150.1	pH		5.33			0.01	SU	H	J	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Aluminum	<	68			68	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Aluminum	<	68			68	µg/L	UN*		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Aluminum		52.2			14.4	µg/L	BE	J-	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Aluminum		947			68	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Aluminum		1050			68	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Aluminum	<	68			68	µg/L	UN*	UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Aluminum		429			68	µg/L	N*	J+	GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Aluminum		805			14.4	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Barium		30.7			1	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Barium		29.7			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Barium		23.2			1	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Barium		26.5			0.301	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Barium		43.4			1	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Barium		48.1			1	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Barium	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Barium		45.4			1	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Barium		42.2			0.301	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Boron		76.7			10	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Boron		78.6			10	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Boron		74.6			1.39	µg/L	E		GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Met	200.7	Boron		115			1.39	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Boron		76.4			10	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Boron	<	10			10	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Boron		76.8			10	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Boron		71.1			1.39	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6020	Chromium		4.9			1	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Chromium		4.8			1	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Chromium		3.8			1	µg/L	J*		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Chromium		4.79			1.43	µg/L	B		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6020	Chromium		10			1	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Chromium		31.9			1	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Chromium	<	1			1	µg/L	U*	UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Chromium		12.2			1	µg/L	*	J	GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Chromium		28.8			1.43	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Cobalt		1.4			1	µg/L	J		GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Cobalt		2.2			1	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Cobalt	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Cobalt	<	0.762			0.762	µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Cobalt	<	1			1	µg/L	U		GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Cobalt	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Cobalt	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Cobalt	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Cobalt	<	0.762			0.762	µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Copper		3.2			3	µg/L	J		GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Copper		5.9			3	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Copper		3.48			1.8	µg/L	B		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Copper		5.6			3	µg/L	J		GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Copper		10.9			3	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Copper	<	3			3	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Copper		7.9			3	µg/L	J		GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Copper		8.53			1.8	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Iron	<	173			18	µg/L		U	GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Iron		200			18	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Iron		133			18	µg/L	N*		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Iron		197			14.9	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Iron		917			18	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Iron		1190			18	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Iron	<	18			18	µg/L	UN *	UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Iron		824			18	µg/L	N*	J+	GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Iron		953			14.9	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.8	Lead	<	0.5			0.5	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.8	Lead		0.533			0.05	µg/L	B		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6020	Lead		2			0.5	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.8	Lead		2.8			0.5	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6020	Lead	<	0.5			0.5	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6020	Lead		3.8			0.5	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Manganese		55.8			2	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Manganese		51.9			2	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Manganese		74.5			2	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Manganese		97.4			0.304	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Manganese		91.6			2	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Manganese		127			2	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Manganese	<	2			2	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Manganese		197			2	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Manganese		169			0.304	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Molybdenum		9			2	µg/L	J		GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Molybdenum		4.8			2	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Molybdenum		11.4			2	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Molybdenum	<	8.27			0.948	µg/L	B	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Molybdenum		9			2	µg/L	J		GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Molybdenum		6.2			2	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Molybdenum	<	2			2	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Molybdenum		11.2			2	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Molybdenum		7.31			0.948	µg/L	B		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6020	Nickel		1.9			0.5	µg/L	J		GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.8	Nickel		1.6			0.5	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6020	Nickel		1.9			0.5	µg/L	J		GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Nickel	<	3.6			3.6	µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6020	Nickel		2			0.5	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.8	Nickel		1.8			0.5	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6020	Nickel	<	0.5			0.5	µg/L	U		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6020	Nickel		2.8			0.5	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Nickel	<	3.6			3.6	µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Strontium		87.6			1	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Strontium		90.5			1	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Strontium		73.2			0.238	µg/L			GELC
Sandia below Wetlands		07/24/03	WS	F	CS		Met	200.7	Strontium		108			0.238	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Strontium		88.8			1	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Strontium	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Strontium		94.8			1	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Strontium		73.4			0.238	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6020	Uranium		0.43			0.05	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6020	Uranium		0.24			0.05	µg/L		J-	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6020	Uranium		0.48			0.05	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6020	Uranium	<	0.05			0.05	µg/L	U	R	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6020	Uranium		0.38			0.05	µg/L		J-	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Vanadium		13.8			1	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Vanadium		13.5			1	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Vanadium		12.4			1	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Vanadium		9.25			0.732	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Vanadium		14.8			1	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Vanadium		15.6			1	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Vanadium	<	1			1	µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Vanadium		13.3			1	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Vanadium		10.4			0.732	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	F	CS		Met	6010	Zinc		28.3			2	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	F	CS		Met	200.7	Zinc		48.7			2	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Met	6010	Zinc		52			2	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	F	CS		Met	200.7	Zinc		46.4			0.406	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Met	6010	Zinc		46.5			2	µg/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Met	200.7	Zinc		77.3			2	µg/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Met	6010	Zinc		2.3			2	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Met	6010	Zinc		97.8			2	µg/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	DUP		Met	200.7	Zinc		78.6			0.406	µg/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Pest	8082	Aroclor-1254		0.067			0.0336	µg/L	J	J	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Pest	608	Aroclor-1254		0.112			0.0351	µg/L	P	J	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Pest	8082	Aroclor-1254	<	0.1				µg/L	U	UJ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS		Pest	8082	Aroclor-1254	<	0.1				µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Pest	608	Aroclor-1254	<	0.11				µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Pest	8082	Aroclor-1260		0.07			0.0336	µg/L	J	J	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Pest	608	Aroclor-1260		0.077			0.0351	µg/L	J		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Pest	8082	Aroclor-1260	<	0.1				µg/L	U	UJ	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Pest	8082	Aroclor-1260	<	0.1				µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Pest	608	Aroclor-1260	<	0.11				µg/L	U		GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	H300	Americium-241		0.0232	0.00706	0.0203		pCi/L		J	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	H300	Americium-241		-0.00233	0.00829	0.034		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	H300	Americium-241		0.012	0.00527	0.0199		pCi/L	U	U	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	H300	Americium-241		0.00232	0.00358	0.031		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	H300	Americium-241		0.00357	0.00699	0.032		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	H300	Americium-241		-0.00435	0.00724	0.036		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	AS	Americium-241		-1.02E-09	0.00606	0.038		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	901.1	Cesium-137		0.291	1.16	3.83		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	901.1	Cesium-137		0.071	0.762	2.76		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	901.1	Cesium-137		-0.743	0.931	3.32		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	901.1	Cesium-137		-1.01	0.623	2		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	901.1	Cesium-137		-0.627	0.847	2.52		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	901.1	Cesium-137		-1.44	0.889	2.97		pCi/L	U	U	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	901.1	Cesium-137		0.323	1	3.45		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	901.1	Cobalt-60		-2.32	1.29	3.6		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	901.1	Cobalt-60		1.36	0.899	3.53		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	901.1	Cobalt-60		-1.52	0.995	3.13		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	901.1	Cobalt-60		0.463	0.546	2.52		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	901.1	Cobalt-60		0.496	0.84	3.11		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	901.1	Cobalt-60		-1.07	1.06	3.69		pCi/L	U	U	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	901.1	Cobalt-60		1.39	0.947	3.62		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	900	Gross alpha		-0.696	0.364	1.74		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	900	Gross alpha		0.516	0.359	1.19		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	900	Gross alpha		0.978	0.499	1.7		pCi/L	U	U	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	900	Gross alpha		1.28	0.799	2.9		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	900	Gross alpha		0.13	0.282	1.09		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	900	Gross alpha		1.86	0.437	1.11		pCi/L		J	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	900	Gross alpha		0.37	0.513	2.18		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	900	Gross beta		9.47	1.17	2.57		pCi/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	900	Gross beta		13.8	1.12	3.02		pCi/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	900	Gross beta		8.72	1.17	2.85		pCi/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	900	Gross beta		17.6	1.93	5.24		pCi/L			GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	900	Gross beta		0.00506	0.473	1.87		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	900	Gross beta		16.5	1.21	2.97		pCi/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	900	Gross beta		5.52	0.53	1.29		pCi/L		J-	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	901.1	Gross gamma		92	70.6	275		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	901.1	Gross gamma		51.5	72.1	218		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	901.1	Gross gamma		102	65.6	271		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	901.1	Gross gamma		96.4	128	299		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	901.1	Gross gamma		90.3	96.8	352		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	901.1	Gross gamma		343	300	572		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	901.1	Gross gamma		105	2.83	351		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	901.1	Neptunium-237		-1.84	7.57	24.6		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	901.1	Neptunium-237		1.96	6.37	11.3		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	901.1	Neptunium-237		-2.77	6.77	22.2		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	901.1	Neptunium-237		-5.72	5.01	16.3		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	901.1	Neptunium-237		17.5	8.3	19.9		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	901.1	Neptunium-237		5.82	9.46	24		pCi/L	U	U	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	901.1	Neptunium-237		-5.6	7.61	22.1		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	H300	Plutonium-238		0.0244	0.0122	0.0293		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	H300	Plutonium-238		-0.00312	0.0129	0.065		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	H300	Plutonium-238		0.00704	0.00525	0.0225		pCi/L	U	U	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	H300	Plutonium-238		0.0225	0.00977	0.0337		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	H300	Plutonium-238		-0.0138	0.00978	0.048		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	H300	Plutonium-238		-0.00959	0.00588	0.05		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	AS	Plutonium-238		-0.0122	0.0136	0.038		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	H300	Plutonium-239/240		0.0122	0.00612	0.0341		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	H300	Plutonium-239/240		-0.00312	0.00441	0.055		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	H300	Plutonium-239/240		0.00234	0.00524	0.0262		pCi/L	U	U	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	H300	Plutonium-239/240		0.00281	0.00486	0.037		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	H300	Plutonium-239/240		1.1E-09	0.00728	0.04		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	H300	Plutonium-239/240		0.00958	0.00758	0.042		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	AS	Plutonium-239/240		0.00734	0.00812	0.039		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	901.1	Potassium-40		7.79	13.4	44.5		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	901.1	Potassium-40		36.5	10.1	41.8		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	901.1	Potassium-40		20.1	16.3	34.9		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	901.1	Potassium-40		6.98	15.2	21.1		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	901.1	Potassium-40		22.7	19.7	24.4		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	901.1	Potassium-40		25.1	11.4	47		pCi/L	U	U	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	901.1	Potassium-40		68.8	25.3	37.8		pCi/L		J	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	901.1	Sodium-22		-1.31	1.19	3.64		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	901.1	Sodium-22		0.307	0.881	3.15		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	901.1	Sodium-22		-0.272	0.925	3.34		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	901.1	Sodium-22		0.0506	0.637	2.35		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	901.1	Sodium-22		-0.223	0.71	2.56		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	901.1	Sodium-22		0.854	0.928	3.71		pCi/L	U	U	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	901.1	Sodium-22		0.405	1.02	3.7		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	905.0	Strontium-90		-0.291	0.0833	0.382		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	905.0	Strontium-90		-0.0905	0.071	0.291		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	905.0	Strontium-90		-0.0744	0.0795	0.419		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	905.0	Strontium-90		-0.112	0.0495	0.208		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	905.0	Strontium-90		-0.188	0.0642	0.277		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	GFPC	Strontium-90		0.223	0.0607	0.156		pCi/L		J	GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	GFPC	Strontium-90		0.0565	0.0773	0.294		pCi/L	U	U	GELC
Sandia below Wetlands		07/24/03	WS	UF	DUP		Rad	GFPC	Strontium-90		0.138	0.0844	0.302		pCi/L	U		GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	LLEE	Tritium		27.58752	0.92597	0.28737		pCi/L			UMTL
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	906.0	Tritium		161	61.6	197		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	906.0	Tritium		121	60.5	197		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	906.0	Tritium		-33	56.4	188		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		07/24/03	WS	UF	CS		Rad	906.0	Tritium		41.4	54.9	177		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	H300	Uranium-234		0.319	0.0324	0.0406		pCi/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	H300	Uranium-234		0.178	0.0273	0.105		pCi/L		J	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	H300	Uranium-234		0.352	0.0367	0.0486		pCi/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	H300	Uranium-234		0.162	0.0279	0.107		pCi/L		J	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	H300	Uranium-234		0.0102	0.00719	0.077		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	H300	Uranium-234		0.237	0.0255	0.066		pCi/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	AS	Uranium-234		0.123	0.0258	0.065		pCi/L		J	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	H300	Uranium-235/236		0	0.00761	0.0343		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	H300	Uranium-235/236		0.0275	0.011	0.064		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	H300	Uranium-235/236		0.0202	0.0104	0.041		pCi/L	U	U	GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	H300	Uranium-235/236		0	0.0102	0.052		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	H300	Uranium-235/236		0.00255	0.00569	0.047		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	H300	Uranium-235/236		0.0283	0.00797	0.04		pCi/L	U	U	GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	AS	Uranium-235/236		-0.032	0.0119	0.04		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	F	CS		Rad	H300	Uranium-238		0.21	0.0242	0.0432		pCi/L			GELC
Sandia below Wetlands		06/08/05	WS	F	CS		Rad	H300	Uranium-238		0.0721	0.0195	0.074		pCi/L	U	U	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Rad	H300	Uranium-238		0.317	0.0335	0.0517		pCi/L			GELC
Sandia below Wetlands		05/17/06	WP	UF	CS		Rad	H300	Uranium-238		0.0943	0.0205	0.0602		pCi/L		J	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Rad	H300	Uranium-238		0.00508	0.00622	0.055		pCi/L	U	U	GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Rad	H300	Uranium-238		0.148	0.0197	0.047		pCi/L			GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Rad	AS	Uranium-238		0.14	0.0193	0.046		pCi/L			GELC
Sandia below Wetlands		07/12/06	WP	UF	CS	FTB	Voa	8260	Acetone		1.79			1.25	µg/L	J	J+	GELC
Sandia below Wetlands		07/12/06	WP	UF	CS		Voa	8260	Acetone	<	4.15			1.25	µg/L	J	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
Sandia below Wetlands		06/08/05	WS	UF	CS	FB	Voa	8260	Acetone	<	5				µg/L	U		GELC
Sandia below Wetlands		06/08/05	WS	UF	CS		Voa	8260	Acetone	<	5				µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	CS	FTB	Voa	624	Acetone	<	5				µg/L	U		GELC
Sandia below Wetlands		06/07/04	WS	UF	CS		Voa	624	Acetone	<	5				µg/L	U		GELC
Sandia below Wetlands		07/24/03	WS	UF	CS	FTB	Voa	624	Acetone	<	5				µg/L	U		GELC
Sandia below Wetlands		07/24/03	WS	UF	CS		Voa	624	Acetone	<	5				µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	310.1	Alkalinity-CO3		4.18			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3		4.62			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3		5.08			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	310.1	Alkalinity-CO3		3.27			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	310.1	Alkalinity-CO3		4.15			0.725	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3		158			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		157			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	310.1	Alkalinity-CO3+HCO3		147			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	310.1	Alkalinity-CO3+HCO3		159			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	310.1	Alkalinity-CO3+HCO3		157			0.725	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	350.1	Ammonia as Nitrogen		0.288			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	350.1	Ammonia as Nitrogen		0.309			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.085			0.01	mg/L		U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	350.1	Ammonia as Nitrogen		0.283			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	350.1	Ammonia as Nitrogen		0.281			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	350.1	Ammonia as Nitrogen	<	0.082			0.01	mg/L		U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	300	Bromide		5.11			0.132	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	300	Bromide		5.19			0.132	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	300	Bromide		5.02			0.132	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	300	Bromide		5.12			0.132	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	6010	Calcium		29.9			0.036	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	6010	Calcium		30.8			0.036	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	200.7	Calcium		29			0.036	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	6010	Calcium		29.7			0.036	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	6010	Calcium		30.3			0.036	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	200.7	Calcium		30.2			0.036	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	300	Chloride		15.2			0.066	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	300	Chloride		15.1			0.066	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	300	Chloride		15			0.066	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	300	Chloride		15.3			0.066	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	335.3	Cyanide (Total)		0.00473			0.0015	mg/L	J	JN-	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	335.3	Cyanide (Total)		0.0022			0.0015	mg/L	J	JN-	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	335.3	Cyanide (Total)		0.00227			0.0015	mg/L	J	JN-	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	335.3	Cyanide (Total)		0.00602			0.0015	mg/L		JN-	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	335.3	Cyanide (Total)	<	0.0015			0.0015	mg/L	U	UJ	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	300	Fluoride		0.612			0.033	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	300	Fluoride		0.631			0.033	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	300	Fluoride		0.63			0.033	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	300	Fluoride		0.622			0.033	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	A2340	Hardness		114			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	A2340	Hardness		117			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	A2340	Hardness		110			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	A2340	Hardness		113			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	A2340	Hardness		115			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	A2340	Hardness		115			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	6010	Magnesium		9.56			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	6010	Magnesium		9.84			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	200.7	Magnesium		9.16			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	6010	Magnesium		9.46			0.085	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	6010	Magnesium		9.7			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	200.7	Magnesium		9.65			0.085	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		0.92			0.014	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	353.1	Nitrate-Nitrite as N		0.978			0.014	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	353.1	Nitrate-Nitrite as N		0.664			0.014	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	353.1	Nitrate-Nitrite as N		0.874			0.014	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		0.857			0.014	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	353.1	Nitrate-Nitrite as N		0.596			0.014	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	314.0	Perchlorate	<	4			4	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	6850	Perchlorate		0.684			0.05	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	314.0	Perchlorate		6.36			4	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	6850	Perchlorate		0.702			0.05	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	6010	Potassium		9.38			0.05	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	6010	Potassium		9.64			0.05	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	200.7	Potassium		14.1			0.05	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	6010	Potassium		10.9			1	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	6010	Potassium		9.48			0.05	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	200.7	Potassium		14.3			0.05	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	6010	Silicon Dioxide		161			0.16	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	6010	Silicon Dioxide		165			0.16	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	6010	Silicon Dioxide		164			0.64	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	6010	Silicon Dioxide		164			0.16	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	6010	Sodium		34.1			0.045	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	6010	Sodium		35			0.045	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	200.7	Sodium		41.4			0.045	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	6010	Sodium		1080			0.9	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	6010	Sodium		34.4			0.045	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	200.7	Sodium		42.3			0.045	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	120.1	Specific Conductance		398			1	uS/cm			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	120.1	Specific Conductance		395			1	uS/cm			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	120.1	Specific Conductance		399			1	uS/cm			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	120.1	Specific Conductance		402			1	uS/cm			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	300	Sulfate		17			0.1	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	300	Sulfate		16.9			0.1	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	300	Sulfate		16.9			0.1	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	300	Sulfate		17			0.1	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	160.2	Suspended Sediment Concentration		1.75			1.43	mg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	160.2	Suspended Sediment Concentration		2.8			2.28	mg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	160.2	Suspended Sediment Concentration		7.63			0.713	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	160.1	Total Dissolved Solids		390			2.38	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	160.1	Total Dissolved Solids		398			2.38	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	160.1	Total Dissolved Solids		401			2.38	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	160.1	Total Dissolved Solids		395			2.38	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen		1.84			0.01	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.82			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.13			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	351.2	Total Kjeldahl Nitrogen		1.84			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.88			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	351.2	Total Kjeldahl Nitrogen		1.02			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	9060	Total Organic Carbon		6.79			0.33	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	9060	Total Organic Carbon		6.91			0.33	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	9060	Total Organic Carbon		13.2			0.33	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus		0.79			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.783			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.4			0.01	mg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	365.4	Total Phosphate as Phosphorus		0.816			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus		0.795			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Inorg	365.4	Total Phosphate as Phosphorus		3.61			0.01	mg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Inorg	150.1	pH		8.42			0.01	SU	H	J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Inorg	150.1	pH		8.45			0.01	SU	H	J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Inorg	150.1	pH		8.37			0.01	SU	H	J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Inorg	150.1	pH		8.41			0.01	SU	H	J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Aluminum	<	68			68	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Aluminum	<	68			68	µg/L	U		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Aluminum		148			68	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Aluminum		177			68	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Aluminum		125			68	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Aluminum		241			68	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6020	Antimony	<	1.4			0.5	µg/L	J	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6020	Antimony		0.58			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.8	Antimony		0.54			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6020	Antimony	<	0.5			0.5	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6020	Antimony	<	0.5			0.5	µg/L	U		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.8	Antimony	<	0.5			0.5	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Barium		70.5			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Barium		72.5			1	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Barium		76.9			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Barium		70.7			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Barium		71.8			1	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Barium		80.5			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Boron		53.3			10	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Boron		53.9			10	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Boron		67.7			10	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Boron		53.5			10	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6020	Chromium		9.7			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6020	Chromium		8.2			1	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Chromium		11.4			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6020	Chromium		7.9			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6020	Chromium		8.7			1	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Chromium		11.5			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Copper	<	3			3	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Copper		3			3	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Copper		3			3	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Copper	<	3			3	µg/L	U		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Copper		4			3	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Iron		29.8			18	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Iron		33.7			18	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Iron		95.8			18	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Iron		221			18	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Iron		97.7			18	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Iron		163			18	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Manganese		8.9			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Manganese		9.8			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Manganese		6.4			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Manganese		11.6			2	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Manganese		11.4			2	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Manganese		8.9			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Molybdenum		3.2			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Molybdenum		2.8			2	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Molybdenum		2.5			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Molybdenum		3.7			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Molybdenum		3			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Molybdenum		3			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6020	Nickel		0.56			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6020	Nickel		0.92			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.8	Nickel		0.71			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6020	Nickel		4.5			0.5	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6020	Nickel		0.8			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.8	Nickel		0.69			0.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6020	Selenium	<	2.5			2.5	µg/L	U	UJ	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6020	Selenium		3.1			2.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.8	Selenium	<	2.5			2.5	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6020	Selenium	<	2.5			2.5	µg/L	U	UJ	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6020	Selenium		3.2			2.5	µg/L	J		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.8	Selenium	<	2.5			2.5	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Strontium		139			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Strontium		143			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Strontium		138			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Strontium		141			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6020	Thallium		0.53			0.4	µg/L	J		GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.8	Thallium	<	0.4			0.4	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6020	Thallium	<	0.4			0.4	µg/L	U		GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.8	Thallium	<	0.4			0.4	µg/L	U		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6020	Uranium		0.95			0.05	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6020	Uranium		1			0.05	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6020	Uranium		0.99			0.05	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6020	Uranium		1			0.05	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Vanadium		21			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Vanadium		21.9			1	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Vanadium		26.9			1	µg/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Vanadium		21.6			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Vanadium		21.6			1	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Vanadium		28.9			1	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Met	6010	Zinc	<	6.1			2	µg/L	J	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Met	6010	Zinc	<	7.5			2	µg/L	J	U	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	F	CS		Met	200.7	Zinc		7.6			2	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Met	6010	Zinc		14.4			2	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Met	6010	Zinc		14.5			2	µg/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Met	200.7	Zinc		10.6			2	µg/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	H300	Americium-241		-0.025	0.0129	0.0283		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	H300	Americium-241		-0.0211	0.0199	0.0309		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	H300	Americium-241		0.0116	0.011	0.0307		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	H300	Americium-241		-0.00494	0.01165	0.0281		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	H300	Americium-241		0.00547	0.307	0.926		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	901.1	Cesium-137		-0.578	0.726	2.56		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	901.1	Cesium-137		1.4	0.991	3.69		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	901.1	Cesium-137		2.34	1.21	2.54		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	901.1	Cesium-137		-1.37	0.887	2.62		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	901.1	Cobalt-60		-0.267	0.686	2.4		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	901.1	Cobalt-60		-1.39	1.01	3.36		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	901.1	Cobalt-60		1.9	0.998	3.6		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	901.1	Cobalt-60		-1.53	0.834	2.29		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	900	Gross alpha		-0.288	0.415	1.46		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	900	Gross alpha		-0.0177	0.328	1.1		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	900	Gross alpha		1.09	0.403	1.25		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	900	Gross alpha		0.31	0.411	1.39		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	900	Gross alpha		0.446	0.364	1.36		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	900	Gross beta		9.25	0.856	2.3		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	900	Gross beta		11.9	2.25	7.69		pCi/L		J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	900	Gross beta		10.7	1.61	5		pCi/L		J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	900	Gross beta		10.7	2.16	7.16		pCi/L		J	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	900	Gross beta		10.4	1.62	5.27		pCi/L		J	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	901.1	Gross gamma		213	85.3	316		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	901.1	Gross gamma		70.6	71.7	335		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	901.1	Gross gamma		61.1	44.7	165		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	901.1	Gross gamma		75.7	60.5	181		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	901.1	Neptunium-237		2.52	5.12	17		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	901.1	Neptunium-237		-3.9	7.2	24.1		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	901.1	Neptunium-237		5.71	6.8	19.9		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	901.1	Neptunium-237		10.2	6.09	19		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	H300	Plutonium-238		0.00458	0.0219	0.044		pCi/L	U	J+, U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	H300	Plutonium-238		-0.005	0.00613	0.024		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	H300	Plutonium-238		-0.0288	0.0384	0.0461		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	H300	Plutonium-238		0.00248	0.00554	0.0238		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	H300	Plutonium-238		0.0405	0.0405	0.486		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	H300	Plutonium-239/240		0.0137	0.0102	0.0512		pCi/L	U	J+, U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	H300	Plutonium-239/240		-0.01	0.00937	0.028		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	H300	Plutonium-239/240		-0.0192	0.0215	0.0537		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	H300	Plutonium-239/240		-0.0173	0.0102	0.0277		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	H300	Plutonium-239/240		-0.121	0.157	0.533		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	901.1	Potassium-40		9.97	7.17	29		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	901.1	Potassium-40		22.4	11.7	46.5		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	901.1	Potassium-40		26.3	14.5	32		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	901.1	Potassium-40		7.02	12.5	40.1		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	901.1	Sodium-22		-1.26	0.71	2.2		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	901.1	Sodium-22		1.06	0.906	3.61		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	901.1	Sodium-22		-1.07	0.961	2.94		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	901.1	Sodium-22		0.936	0.849	2.97		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	905.0	Strontium-90		-0.164	0.0788	0.391		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	905.0	Strontium-90		-0.0469	0.066	0.299		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	905.0	Strontium-90		0.105	0.056	0.183		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	905.0	Strontium-90		-0.161	0.0668	0.338		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	H300	Uranium-234		0.594	0.0539	0.0548		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	H300	Uranium-234		0.696	0.0624	0.059		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	H300	Uranium-234		0.57	0.0541	0.06		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	H300	Uranium-234		0.594	0.0513	0.0486		pCi/L			GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	H300	Uranium-234		0.502	0.18	1.33		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	H300	Uranium-235/236		0	0.0121	0.0462		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	H300	Uranium-235/236		0.028	0.01	0.0497		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	H300	Uranium-235/236		0.032	0.012	0.0506		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	H300	Uranium-235/236		0.0288	0.0109	0.041		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	H300	Uranium-235/236		0.155	0.09001	0.647		pCi/L	U	U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS	FD	Rad	H300	Uranium-238		0.299	0.0336	0.0583		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	F	CS		Rad	H300	Uranium-238		0.368	0.0394	0.0627		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Rad	H300	Uranium-238		0.273	0.0332	0.0639		pCi/L			GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Rad	H300	Uranium-238		0.293	0.0317	0.0517		pCi/L			GELC
South Fork of Sandia Canyon at E122		05/17/06	WP	UF	CS		Rad	H300	Uranium-238		-0.0419	0.139	0.748		pCi/L	U	U	GELC

Table D-1 (continued)

Location	Depth (ft)	Date	Fld Matrix	Fld Prep	Lab Sample Type	Fld QC	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	Indep Qual	Lab
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FD	Voa	8260	Acetone	<	9.38			1.25	µg/L		U	GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS	FTB	Voa	8260	Acetone		1.27			1.25	µg/L	J		GELC
South Fork of Sandia Canyon at E122		06/29/06	WP	UF	CS		Voa	8260	Acetone	<	6.61			1.25	µg/L		U	GELC

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Table D-2
Applicable Groundwater Regulatory Standards

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																								
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
DIOX/FUR	Hexachlorodibenzodioxin [1,2,3,7,8,9-]	19408-74-3															0.0000108											
DIOX/FUR	Tetrachlorodibenzodioxin [2,3,7,8-]	1746-01-6								0.00003							0.000000448											
GENINORG	Chloride	Cl(-1)									250									250								
GENINORG	Chlorine, Total Residual	Cl2TOTRES													3.65													
GENINORG	Cyanide (Total)	CN(TOTAL)						0.2												0.2								
GENINORG	Cyanide, Amenable	CN (amen)						0.2							0.73													
GENINORG	Cyanide, Reactive	CN(R)						0.2												0.2								
GENINORG	Fluoride	F(-1)						4							2.19					1.6								
GENINORG	Nitrate as Nitrogen	NO3-N						10								10												
GENINORG	Nitrate-Nitrite as N	NO3+NO2-N						10												10								
GENINORG	Nitrite	NO2						1								1												
GENINORG	Perchlorate	ClO4																3.65										
GENINORG	Sodium	Na									20																	
GENINORG	Sulfate	SO4(-2)									250									600								
GENINORG	Total Dissolved Solids	TDS									500									1000								
GENINORG	Total Phosphorus	P																0.73										
GENINORG	pH	pH												8									9					
HERB	Chloro-o-tolyloxyacetic [4-] Acid	94-74-6																18.3										
HERB	DB[2,4-]	94-82-6																292										
HERB	D[2,4-]	94-75-7								70								365										
HERB	Dalapon	75-99-0								200								1100										
HERB	Dicamba	1918-00-9																1100										
HERB	Dinoseb	88-85-7								7								36.5										
HERB	MCPP	93-65-2																36.5										
HERB	TP[2,4,5-]	93-72-1								50								292										
HERB	T[2,4,5-]	93-76-5																365										
HEXP	Dinitrobenzene[1,3-]	99-65-0																3.65										

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																							
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
HEXP	Dinitrotoluene[2,4-]	121-14-2																73										
HEXP	Dinitrotoluene[2,6-]	606-20-2																36.5										
HEXP	HMX	2691-41-0																1,830										
HEXP	Nitrobenzene	98-95-3																3.4										
HEXP	Nitrotoluene[3-]	99-08-1																122										
HEXP	Nitrotoluene[4-]	99-99-0															3.95											
HEXP	RDX	121-82-4															0.611											
HEXP	Tetryl	479-45-8																146										
HEXP	Trinitrobenzene[1,3,5-]	99-35-4																1,100										
HEXP	Trinitrotoluene[2,4,6-]	118-96-7															2.24											
METALS	Aluminum	Al											50					36,500				5,000			5,000			
METALS	Antimony	Sb								6								14.6										
METALS	Arsenic	As								10							0.0448					100			200			
METALS	Barium	Ba								2,000								2,560				1,000						
METALS	Beryllium	Be								4								73										
METALS	Boron	B																7,300				750			5,000			
METALS	Cadmium	Cd								5								18.3				10			50			
METALS	Chromium	Cr								100												50			1,000			
METALS	Chromium hexavalent ion	Cr(VI)								100					0.11							50						
METALS	Cobalt	Co																730				50			1,000			
METALS	Copper	Cu								1,300			1,000					1,360				1,000			500			
METALS	Iron	Fe											300					11,000				1,000						
METALS	Lead	Pb								15			15						15			50			100			
METALS	Lithium	Li																730										
METALS	Manganese	Mn											50					1,700				200						
METALS	Mercury	Hg								2														2		10		
METALS	Molybdenum	Mo																183				1,000						

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																							
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
METALS	Nickel	Ni								100								730				200						
METALS	Selenium	Se								50								183				50			50			
METALS	Silver	Ag											100					183				50						
METALS	Strontium	Sr											25,000					21,900										
METALS	Thallium	Tl								2																		
METALS	Tin	Sn																21,900										
METALS	Uranium	U			800		30			30												30						
METALS	Uranium-235	U-235		600		24																						300
METALS	Uranium-238	U-238		600		24																						300
METALS	Vanadium	V											80					36.5							100			
METALS	Zinc	Zn											5,000					11,000				10,000			25,000			
PEST/PCB	Aldrin	309-00-2															0.00395											
PEST/PCB	Aroclor-1016	12674-11-2								0.5							0.96							1				
PEST/PCB	Aroclor-1221	11104-28-2								0.5							0.0336							1				
PEST/PCB	Aroclor-1232	11141-16-5								0.5							0.0336							1				
PEST/PCB	Aroclor-1242	53469-21-9								0.5							0.0336							1				
PEST/PCB	Aroclor-1248	12672-29-6								0.5							0.0336							1				
PEST/PCB	Aroclor-1254	11097-69-1								0.5							0.0336							1				
PEST/PCB	Aroclor-1260	11096-82-5								0.5							0.0336							1				
PEST/PCB	Aroclor-1262	37324-23-5								0.5														1				
PEST/PCB	BHC[alpha-]	319-84-6															0.0107											
PEST/PCB	BHC[beta-]	319-85-7															0.0374											
PEST/PCB	BHC[gamma-]	58-89-9								0.2							0.0517											
PEST/PCB	Chlordane(alpha/gamma)	57-74-9								2							0.192											
PEST/PCB	DDD[4,4'-]	72-54-8															0.28											
PEST/PCB	DDE[4,4'-]	72-55-9															0.198											
PEST/PCB	DDT[4,4'-]	50-29-3															0.198											
PEST/PCB	D[2,4-]	94-75-7								70								365										
PEST/PCB	Dieldrin	60-57-1															0.0042											

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																							
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
PEST/PCB	Endrin	72-20-8								2								11										
PEST/PCB	Heptachlor	76-44-8								0.4							0.0149											
PEST/PCB	Heptachlor Epoxide	1024-57-3								0.2							0.00739											
PEST/PCB	Hexachlorodibenzodioxin [1,2,3,7,8,9-]	19408-74-3															0.0000108											
PEST/PCB	Methoxychlor[4,4'-]	72-43-5								40								183										
PEST/PCB	TP[2,4,5-]	93-72-1								50								292										
PEST/PCB	Toxaphene (Technical Grade)	8001-35-2								3							0.0611											
RAD	Americium-241	Am-241		30		1.2																						20
RAD	Cesium-137	Cs-137		3,000		120																						1,000
RAD	Cobalt-60	Co-60		5,000		200																						3,000
RAD	Gross alpha	GROSSA		30					15																		15	
RAD	Gross beta	GROSSB		1,000								50																
RAD	Neptunium-237	Np-237		30		1.2																						20
RAD	Plutonium-238	Pu-238		40		1.6																						20
RAD	Plutonium-239/240	Pu-239,240		30		1.2																						20
RAD	Potassium-40	K-40		7,000		280																						4,000
RAD	Radium-226	Ra-226		100		4			5												30							60
RAD	Radium-228	Ra-228		100		4			5												30							60
RAD	Sodium-22	Na-22		10,000		400																						6,000
RAD	Strontium-90	Sr-90		1,000		40			8																			500
RAD	Technetium-99	Tc-99		100,000		4000																						
RAD	Tritium	H-3		2,000,000		80,000			20,000																		20,000	1,000,000
RAD	Uranium	U			800		30			30												30						
RAD	Uranium-234	U-234		500		20																						300
RAD	Uranium-235	U-235		600		24																						300
RAD	Uranium-235/236	U-235,236		600		24																						
RAD	Uranium-238	U-238		600		24																						300
SVOA	Acenaphthene	83-32-9																365										

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																							
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
SVOA	Acetophenone	98-86-2																3,650										
SVOA	Alachlor	15972-60-8								2							0.835											
SVOA	Aldrin	309-00-2															0.00395											
SVOA	Aniline	62-53-3															11.8											
SVOA	Anthracene	120-12-7																1,830										
SVOA	Atrazine	1912-24-9								3							0.303											
SVOA	Azobenzene	103-33-3															0.611											
SVOA	BHC[alpha-]	319-84-6															0.0107											
SVOA	BHC[beta-]	319-85-7															0.0374											
SVOA	BHC[gamma-]	58-89-9								0.2							0.0517											
SVOA	Benzidine	92-87-5															0.000292											
SVOA	Benzo(a)anthracene	56-55-3															0.0921											
SVOA	Benzo(a)pyrene	50-32-8								0.2							0.00921							0.7				
SVOA	Benzo(b)fluoranthene	205-99-2															0.0921											
SVOA	Benzo(k)fluoranthene	207-08-9															0.921											
SVOA	Benzoic Acid	65-85-0																146,000										
SVOA	Benzyl Alcohol	100-51-6																11,000										
SVOA	Bis(2-chloroethyl)ether	111-44-4															0.00978											
SVOA	Bis(2-ethylhexyl) adipate	103-23-1								400							56											
SVOA	Bis(2-ethylhexyl)phthalate	117-81-7								6							4.8											
SVOA	Butanol[1-]	71-36-3																3,650										
SVOA	Butylbenzylphthalate	85-68-7																7,300										
SVOA	Carbazole	86-74-8															3.36											
SVOA	Chlordane (Technical Grade)	12789-03-6								2																		
SVOA	Chloroaniline[4-]	106-47-8																146										
SVOA	Chlorodibromomethane	124-48-1															0.133											
SVOA	Chloronaphthalene[2-]	91-58-7																487										
SVOA	Chlorophenol[2-]	95-57-8																30.4										

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																								
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
SVOA	Chrysene	218-01-9								0.2							9.21											
SVOA	DDD[4,4'-]	72-54-8															0.28											
SVOA	DDE[4,4'-]	72-55-9															0.198											
SVOA	DDT[4,4'-]	50-29-3															0.198											
SVOA	Di-n-butylphthalate	84-74-2																3,650										
SVOA	Di-n-octylphthalate	117-84-0																1,460										
SVOA	Dibenz(a,h)anthracene	53-70-3															0.00921											
SVOA	Dibenzofuran	132-64-9																12.2										
SVOA	Dichlorobenzene[1,2-]	95-50-1								600								49.3										
SVOA	Dichlorobenzene[1,3-]	541-73-1								600								16.4										
SVOA	Dichlorobenzene[1,4-]	106-46-7								75							0.467											
SVOA	Dichlorobenzidine[3,3'-]	91-94-1															0.149											
SVOA	Dichlorophenol[2,4-]	120-83-2																110										
SVOA	Dieldrin	60-57-1															0.0042											
SVOA	Diethyl Ether	60-29-7																1,220										
SVOA	Diethylphthalate	84-66-2																29,200										
SVOA	Dimethyl Phthalate	131-11-3																365,000										
SVOA	Dimethylphenol[2,4-]	105-67-9																730										
SVOA	Dinitrophenol[2,4-]	51-28-5																73										
SVOA	Dinitrotoluene[2,4-]	121-14-2																73										
SVOA	Dinitrotoluene[2,6-]	606-20-2																36.5										
SVOA	Dinoseb	88-85-7								7								36.5										
SVOA	Dioxane[1,4-]	123-91-1															6.11											
SVOA	Diphenylamine	122-39-4																913										
SVOA	Diphenylhydrazine[1,2-]	122-66-7															0.084											
SVOA	Endrin	72-20-8								2								11										
SVOA	Fluoranthene	206-44-0																1460										
SVOA	Fluorene	86-73-7																243										
SVOA	Heptachlor	76-44-8								0.4							0.0149											

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																							
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA								NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
SVOA	Heptachlor Epoxide	1024-57-3								0.2							0.00739											
SVOA	Hexachlorobenzene	118-74-1								1							0.042											
SVOA	Hexachlorobutadiene	87-68-3															0.862											
SVOA	Hexachlorocyclopentadiene	77-47-4								50								219										
SVOA	Hexachloroethane	67-72-1															4.8											
SVOA	Indeno(1,2,3-cd)pyrene	193-39-5															0.0921											
SVOA	Isophorone	78-59-1															70.8											
SVOA	Methoxychlor[4,4'-]	72-43-5								40								183										
SVOA	Methylphenol[2-]	95-48-7																1,830										
SVOA	Methylphenol[3-]	108-39-4																1,830										
SVOA	Methylphenol[4-]	106-44-5																183										
SVOA	Metolaclor	51218-45-2																5,480										
SVOA	Naphthalene	91-20-3																6.2						30				
SVOA	Nitroaniline[2-]	88-74-4																110										
SVOA	Nitrobenzene	98-95-3																3.4										
SVOA	Nitrophenol[4-]	100-02-7																292										
SVOA	Nitroso-di-n-butylamine[N-]	924-16-3															0.00201											
SVOA	Nitroso-di-n-propylamine[N-]	621-64-7															0.0096											
SVOA	Nitrosodiethylamine[N-]	55-18-5															0.000448											
SVOA	Nitrosodimethylamine[N-]	62-75-9															0.00132											
SVOA	Nitrosodiphenylamine[N-]	86-30-6															13.7											
SVOA	Nitrosopyrrolidine[N-]	930-55-2															0.032											
SVOA	Pentachlorobenzene	608-93-5																29.2										
SVOA	Pentachlorophenol	87-86-5								1							0.56											
SVOA	Phenanthrene	85-01-8																	13.7									
SVOA	Phenol	108-95-2																11,000						5				
SVOA	Propachlor	1918-16-7																475										

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																						
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA								NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N									
SVOA	Pyrene	129-00-0																183									
SVOA	Pyridine	110-86-1																36.5									
SVOA	Simazine	122-34-9								4							0.56										
SVOA	Tetrachlorobenzene[1,2,4,5-]	95-94-3								0.00003								11									
SVOA	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6								0.00003							0.000000448										
SVOA	Tetrachlorophenol[2,3,4,6-]	58-90-2								5								1,100									
SVOA	Toxaphene (Technical Grade)	8001-35-2								3							0.0611										
SVOA	Trichlorobenzene[1,2,4-]	120-82-1								70								8.16									
SVOA	Trichlorophenol[2,4,5-]	95-95-4																3,650									
SVOA	Trichlorophenol[2,4,6-]	88-06-2															6.11										
VOA	Acetone	67-64-1																32,900									
VOA	Acrolein	107-02-8																0.0416									
VOA	Acrylonitrile	107-13-1															0.0389										
VOA	Benzene	71-43-2								5							0.354							10			
VOA	Bromobenzene	108-86-1																23.3									
VOA	Bromodichloromethane	75-27-4															0.181										
VOA	Bromoform	75-25-2															8.51										
VOA	Bromomethane	74-83-9																8.66									
VOA	Butanone[2-]	78-93-3																7,060									
VOA	Butylbenzene[n-]	104-51-8																60.8									
VOA	Butylbenzene[sec-]	135-98-8																60.8									
VOA	Butylbenzene[tert-]	98-06-6																60.8									
VOA	Carbon Disulfide	75-15-0																1,040									
VOA	Carbon Tetrachloride	56-23-5								5							0.171							10			
VOA	Chloro-1,3-butadiene[2-]	126-99-8																14.3									
VOA	Chloro-1-propene[3-]	107-05-1																1,830									

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																							
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
VOA	Chlorobenzene	108-90-7								100								107										
VOA	Chlorodibromomethane	124-48-1															0.133											
VOA	Chloroethane	75-00-3															3.86											
VOA	Chloroform	67-66-3								80								74.7						100				
VOA	Chlorotoluene[2-]	95-49-8																122										
VOA	Dibromo-3-Chloropropane [1,2-]	96-12-8								0.2							0.0476											
VOA	Dibromoethane[1,2-]	106-93-4								0.05							0.0056							0.1				
VOA	Dibromomethane	74-95-3																60.8										
VOA	Dichlorobenzene[1,2-]	95-50-1								600								49.3										
VOA	Dichlorobenzene[1,3-]	541-73-1								600								16.4										
VOA	Dichlorobenzene[1,4-]	106-46-7								75							0.467											
VOA	Dichlorodifluoromethane	75-71-8																395										
VOA	Dichloroethane[1,1-]	75-34-3																811						25				
VOA	Dichloroethane[1,2-]	107-06-2								5							0.123							10				
VOA	Dichloroethene[1,1-]	75-35-4								7								339						5				
VOA	Dichloroethene[cis-1,2-]	156-59-2								70								60.8										
VOA	Dichloroethene[trans-1,2-]	156-60-5								100								122										
VOA	Dichloropropane[1,2-]	78-87-5								5							0.165											
VOA	Dichloropropene [cis/trans-1,3-]	542-75-6															0.395											
VOA	Dioxane[1,4-]	123-91-1															6.11											
VOA	Ethyl Methacrylate	97-63-2																548										
VOA	Ethylbenzene	100-41-4								700								1,340						750				
VOA	Hexachlorobutadiene	87-68-3															0.862											
VOA	Isopropylbenzene	98-82-8																658										
VOA	Methacrylonitrile	126-98-7																1.04										
VOA	Methyl Methacrylate	80-62-6																1,420										
VOA	Methyl tert-Butyl Ether	1634-04-4															6.23											

Table D-2 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level																						
				DOE DCG	DOE DCG	DOE DW DCG	DOE DW DCG	EPA PRIM DW STD	EPA PRIM DW STD	EPA PRIM DW STD	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA SEC DW LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	EPA TAP SCRN LVL	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM GW LIM	NM LVSTK WTR STD	NM LVSTK WTR STD	NM LVSTK WTR STD	NMED Rad Prot
			Agency Code	DOE	DOE	DOE	DOE	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA									NMED
			Fld Prep Code																	F	F	F	F	UF	F	UF		
			Scr Lvl Uom	pCi/L	µg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L	mg/L	pCi/L	µg/L		mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	pCi/L	µg/L		µg/L	µg/L	µg/L	pCi/L	pCi/L
			Risk Code												N		C	N										
VOA	Methyl-1-propanol[2-]	78-83-1																1,830										
VOA	Methyl-2-pentanone[4-]	108-10-1																1,990										
VOA	Methylene Chloride	75-09-2								5							4.28							100				
VOA	Naphthalene	91-20-3																6.2						30				
VOA	Propylbenzene[1-]	103-65-1																60.8										
VOA	Styrene	100-42-5								100								1,640										
VOA	Tetrachloroethane[1,1,1,2-]	630-20-6															0.432											
VOA	Tetrachloroethane[1,1,2,2-]	79-34-5															0.0553							10				
VOA	Tetrachloroethene	127-18-4								5							0.105							20				
VOA	Tetrahydrofuran	109-99-9															8.85											
VOA	Toluene	108-88-3								1000								723						750				
VOA	Trichloro-1,2,2-trifluoroethane [1,1,2-]	76-13-1																59,200										
VOA	Trichlorobenzene[1,2,4-]	120-82-1								70								8.16										
VOA	Trichloroethane[1,1,1-]	71-55-6								200								836						60				
VOA	Trichloroethane[1,1,2-]	79-00-5								5							0.2							10				
VOA	Trichloroethene	79-01-6								5							0.028							100				
VOA	Trichlorofluoromethane	75-69-4								5								1,290										
VOA	Trichloropropane[1,2,3-]	96-18-4															0.0016											
VOA	Trimethylbenzene[1,2,4-]	95-63-6																12.4										
VOA	Trimethylbenzene[1,3,5-]	108-67-8																12.3										
VOA	Vinyl Chloride	75-01-4								2							0.0433							1				
VOA	Vinyl acetate	108-05-4																412										
VOA	Xylene (Total)	1330-20-7						10										203						620				
VOA	Xylene[1,2-]	95-47-6																1,430										
VOA	Xylene[1,3-]	108-38-3																208										

Table D-3
Applicable Surface Water Regulatory Standards

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level														
				DOE BCG WATER	FISH STDS CHRONIC	FISH STDS CHRONIC	FISH STDS CHRONIC HARDNESS 100 mg/L	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NMED Rad Prot	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN
			Agency Code	DOE							NMED	NMED	NMED	NMED	NMED	NMED	NMED	NMED
			Fld Prep Code		F	UF	F	UF	UF			F	UF		F	UF	UF	
			Scr Lvl Uom	pCi/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	pCi/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
			Risk Code															
DIOX/FUR	Tetrachlorodibenzodioxin [2,3,7,8-]	1746-01-6											0.00000014				0.00000014	
GENINORG	Cyanide, Amenable	CN (amen)						0.0052								220		
HEXP	Dinitrotoluene[2,4-]	121-14-2															91	
HEXP	Nitrobenzene	98-95-3															1,900	
METALS	Aluminum	Al			87													
METALS	Antimony	Sb										4,300			4,300			
METALS	Arsenic	As			150							24.2			24.2			
METALS	Beryllium	Be			5.3													
METALS	Cadmium	Cd					3.4											
METALS	Chromium	Cr					74.1											
METALS	Copper	Cu					13.4											
METALS	Lead	Pb					3.8											
METALS	Mercury	Hg				0.012			0.77									
METALS	Nickel	Ni					78					4,600			4600			
METALS	Selenium	Se				5			5			11,000			11000			
METALS	Thallium	Tl										6.3			6.3			
METALS	Uranium-235	U-235									300							
METALS	Uranium-238	U-238		200							300							
METALS	Zinc	Zn					117					69,000			69,000			
PEST/PCB	Aldrin	309-00-2											0.0014				0.0014	
PEST/PCB	Aroclor-1016	12674-11-2								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1221	11104-28-2								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1232	11141-16-5								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1242	53469-21-9								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1248	12672-29-6								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1254	11097-69-1								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1260	11096-82-5								0.014				0.0017				0.0017
PEST/PCB	Aroclor-1262	37324-23-5								0.014				0.0017				0.0017
PEST/PCB	BHC[alpha-]	319-84-6															0.13	

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level														
				DOE BCG WATER	FISH STDS CHRONIC	FISH STDS CHRONIC	FISH STDS CHRONIC HARDNESS 100 mg/L	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NMED Rad Prot	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN
			Agency Code	DOE							NMED	NMED	NMED	NMED	NMED	NMED	NMED	NMED
			Fld Prep Code		F	UF	F	UF	UF			F	UF		F	UF	UF	
			Scr Lvl Uom	pCi/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	pCi/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
			Risk Code															
PEST/PCB	BHC[beta-]	319-85-7															0.46	
PEST/PCB	BHC[gamma-]	58-89-9															0.63	
PEST/PCB	Chlordane(alpha/gamma)	57-74-9				0.0043							0.022				0.022	
PEST/PCB	DDT[4,4'-]	50-29-3				0.001							0.0059				0.0059	
PEST/PCB	Dieldrin	60-57-1				0.056							0.0014				0.0014	
PEST/PCB	Endosulfan I	959-98-8				0.056											240	
PEST/PCB	Endosulfan II	33213-65-9				0.056											240	
PEST/PCB	Endosulfan Sulfate	1031-07-8															240	
PEST/PCB	Endrin	72-20-8				0.036											0.81	
PEST/PCB	Endrin Aldehyde	7421-93-4															0.81	
PEST/PCB	Heptachlor	76-44-8				0.0038											0.0021	
PEST/PCB	Heptachlor Epoxide	1024-57-3				0.0038											0.0011	
PEST/PCB	Toxaphene (Technical Grade)	8001-35-2				0.0002											0.0075	
RAD	Americium-241	Am-241		400							20							
RAD	Antimony-125	Sb-125		400,000														
RAD	Cerium-144	Ce-144		2,000														
RAD	Cesium-137	Cs-137		40							1,000							
RAD	Cobalt-60	Co-60		4,000							3,000							
RAD	Europium-154	Eu-154		20,000														
RAD	Europium-155	Eu-155		300,000														
RAD	Iodide-131	I-131		10,000														
RAD	Iodine-129	I-129		40,000														
RAD	Neptunium-237	Np-237									20							
RAD	Plutonium-238	Pu-238									20							
RAD	Plutonium-239/240	Pu-239,240		200							20							
RAD	Potassium-40	K-40									4,000							
RAD	Radium-226	Ra-226		400							60							
RAD	Radium-228	Ra-228		300							60							
RAD	Sodium-22	Na-22									6,000							

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level														
				DOE BCG WATER	FISH STDS CHRONIC	FISH STDS CHRONIC	FISH STDS CHRONIC HARDNESS 100 mg/L	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NMED Rad Prot	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN
			Agency Code	DOE							NMED	NMED	NMED	NMED	NMED	NMED	NMED	NMED
			Fld Prep Code		F	UF	F	UF	UF			F	UF		F	UF	UF	
			Scr Lvl Uom	pCi/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	pCi/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
			Risk Code															
RAD	Strontium-90	Sr-90		300							500							
RAD	Technetium-99	Tc-99		700,000														
RAD	Thorium-232	Th-232		300														
RAD	Tritium	H-3		300,000,000							1,000,000							
RAD	Uranium-234	U-234		200							300							
RAD	Uranium-235	U-235									300							
RAD	Uranium-235/236	U-235,236		200														
RAD	Uranium-238	U-238		200							300							
RAD	Zinc-65	Zn-65		10														
RAD	Zirconium-95	Zr-95		7,000														
SVOA	Acenaphthene	83-32-9															2,700	
SVOA	Aldrin	309-00-2											0.0014				0.0014	
SVOA	Anthracene	120-12-7															110,000	
SVOA	BHC[alpha-]	319-84-6															0.13	
SVOA	BHC[beta-]	319-85-7															0.46	
SVOA	BHC[gamma-]	58-89-9															0.63	
SVOA	Benzidine	92-87-5															0.0054	
SVOA	Benzo(a)anthracene	56-55-3															0.49	
SVOA	Benzo(a)pyrene	50-32-8											0.49				0.49	
SVOA	Benzo(b)fluoranthene	205-99-2															0.49	
SVOA	Benzo(k)fluoranthene	207-08-9															0.49	
SVOA	Bis(2-chloroethyl)ether	111-44-4															14	
SVOA	Bis(2-ethylhexyl)phthalate	117-81-7															59	
SVOA	Butylbenzylphthalate	85-68-7															5200	
SVOA	Chlorodibromomethane	124-48-1															340	
SVOA	Chloronaphthalene[2-]	91-58-7															4300	
SVOA	Chlorophenol[2-]	95-57-8															400	
SVOA	Chrysene	218-01-9															0.49	
SVOA	DDT[4,4'-]	50-29-3				0.001							0.0059				0.0059	
SVOA	Di-n-butylphthalate	84-74-2															12,000	

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level														
				DOE BCG WATER	FISH STDS CHRONIC	FISH STDS CHRONIC	FISH STDS CHRONIC HARDNESS 100 mg/L	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NMED Rad Prot	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN
			Agency Code	DOE							NMED	NMED	NMED	NMED	NMED	NMED	NMED	NMED
			Fld Prep Code		F	UF	F	UF	UF			F	UF		F	UF	UF	
			Scr Lvl Uom	pCi/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	pCi/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
			Risk Code															
SVOA	Dibenz(a,h)anthracene	53-70-3															0.49	
SVOA	Dichlorobenzene[1,2-]	95-50-1															17,000	
SVOA	Dichlorobenzene[1,3-]	541-73-1															2,600	
SVOA	Dichlorobenzene[1,4-]	106-46-7															2,600	
SVOA	Dichlorobenzidine[3,3'-]	91-94-1															0.77	
SVOA	Dichlorophenol[2,4-]	120-83-2															790	
SVOA	Dieldrin	60-57-1				0.056							0.0014				0.0014	
SVOA	Diethylphthalate	84-66-2															120,000	
SVOA	Dimethyl Phthalate	131-11-3															2,900,000	
SVOA	Dimethylphenol[2,4-]	105-67-9															2,300	
SVOA	Dinitro-2-methylphenol[4,6-]	534-52-1															765	
SVOA	Dinitrophenol[2,4-]	51-28-5															14,000	
SVOA	Dinitrotoluene[2,4-]	121-14-2															91	
SVOA	Diphenylhydrazine[1,2-]	122-66-7															5.4	
SVOA	Endosulfan I	959-98-8				0.056											240	
SVOA	Endosulfan II	33213-65-9				0.056											240	
SVOA	Endosulfan Sulfate	1031-07-8															240	
SVOA	Endrin	72-20-8				0.036											0.81	
SVOA	Endrin Aldehyde	7421-93-4															0.81	
SVOA	Fluoranthene	206-44-0															370	
SVOA	Fluorene	86-73-7															14,000	
SVOA	Heptachlor	76-44-8				0.0038											0.0021	
SVOA	Heptachlor Epoxide	1024-57-3				0.0038											0.0011	
SVOA	Hexachlorobenzene	118-74-1											0.0077				0.0077	
SVOA	Hexachlorobutadiene	87-68-3															500	
SVOA	Hexachlorocyclopentadiene	77-47-4															17,000	
SVOA	Hexachloroethane	67-72-1															89	
SVOA	Indeno(1,2,3-cd)pyrene	193-39-5															0.49	
SVOA	Isophorone	78-59-1															26,000	
SVOA	Nitrobenzene	98-95-3															1,900	

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level														
				DOE BCG WATER	FISH STDS CHRONIC	FISH STDS CHRONIC	FISH STDS CHRONIC HARDNESS 100 mg/L	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NMED Rad Prot	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN
			Agency Code	DOE							NMED	NMED	NMED	NMED	NMED	NMED	NMED	NMED
			Fld Prep Code		F	UF	F	UF	UF			F	UF		F	UF	UF	
			Scr Lvl Uom	pCi/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	pCi/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
			Risk Code															
SVOA	Nitroso-di-n-propylamine[N-]	621-64-7															14	
SVOA	Nitrosodimethylamine[N-]	62-75-9															81	
SVOA	Nitrosodiphenylamine[N-]	86-30-6															160	
SVOA	Oxybis(1-chloropropane) [2,2'-]	108-60-1															170,000	
SVOA	Pentachlorophenol	87-86-5				15											82	
SVOA	Phenol	108-95-2															4,600,000	
SVOA	Pyrene	129-00-0															11,000	
SVOA	Tetrachlorodibenzodioxin [2,3,7,8-]	1746-01-6											0.00000014				0.00000014	
SVOA	Toxaphene (Technical Grade)	8001-35-2				0.0002											0.0075	
SVOA	Trichlorobenzene[1,2,4-]	120-82-1															940	
SVOA	Trichlorophenol[2,4,6-]	88-06-2															65	
VOA	Acrolein	107-02-8															780	
VOA	Acrylonitrile	107-13-1															6.6	
VOA	Benzene	71-43-2															710	
VOA	Bromodichloromethane	75-27-4															460	
VOA	Bromoform	75-25-2															3,600	
VOA	Bromomethane	74-83-9															4,000	
VOA	Carbon Tetrachloride	56-23-5															44	
VOA	Chlorobenzene	108-90-7															21,000	
VOA	Chlorodibromomethane	124-48-1															340	
VOA	Chloroform	67-66-3															4,700	
VOA	Dichlorobenzene[1,2-]	95-50-1															17,000	
VOA	Dichlorobenzene[1,3-]	541-73-1															2,600	
VOA	Dichlorobenzene[1,4-]	106-46-7															2,600	
VOA	Dichloroethane[1,2-]	107-06-2															990	
VOA	Dichloroethene[1,1-]	75-35-4															32	
VOA	Dichloroethene[trans-1,2-]	156-60-5															140,000	
VOA	Dichloropropane[1,2-]	78-87-5															390	
VOA	Dichloropropene[cis/trans-1,3-]	542-75-6															1,700	

Table D-3 (continued)

Anyl Suite Code	Analyte Desc	Analyte Code	Lvl Type Code	Service Level														
				DOE BCG WATER	FISH STDS CHRONIC	FISH STDS CHRONIC	FISH STDS CHRONIC HARDNESS 100 mg/L	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NM WQCC WLDLF HAB	NMED Rad Prot	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH EPHEM	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN	NMWQCC HUM HEALTH PEREN
			Agency Code	DOE							NMED	NMED	NMED	NMED	NMED	NMED	NMED	NMED
			Fld Prep Code		F	UF	F	UF	UF			F	UF		F	UF	UF	
			Scr Lvl Uom	pCi/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	pCi/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
			Risk Code															
VOA	Ethylbenzene	100-41-4															29,000	
VOA	Hexachlorobutadiene	87-68-3															500	
VOA	Methylene Chloride	75-09-2															16,000	
VOA	Oxybis(1-chloropropane) [2,2'-]	108-60-1															170,000	
VOA	Tetrachloroethane[1,1,2,2-]	79-34-5															110	
VOA	Tetrachloroethene	127-18-4											88.5				88.5	
VOA	Toluene	108-88-3															200,000	
VOA	Trichlorobenzene[1,2,4-]	120-82-1															940	
VOA	Trichloroethane[1,1,2-]	79-00-5															420	
VOA	Trichloroethene	79-01-6															810	
VOA	Vinyl Chloride	75-01-4															5,250	

Table D-4
Data Quality Exceptions and Effects

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166359	General Inorganic	EPA:150.1	GF060600PSFS01 GF060600PSFS90	pH	J	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.
166359	General Inorganic	EPA:335.3	GF060600PSFS01	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS01	Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS01	Nitrotoluene[4-]	UJ	LDL3	The Contract Required Detection Limit check standard recovery failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS01	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS01	Dinitrotoluene[2,4-] Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS01	Amino-2,6-dinitrotoluene[4-] Tetryl	UJ	LMS3	The Matrix Spike/Matrix Spike Duplicate %Recovery failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS01	2,4-Diamino-6-nitrotoluene 3,5-dinitroaniline TATB Tri-o-cresylphosphate (TOCP)	UJ	LMS4	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria or the recoveries fail both high and low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS90	Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS90	Nitrotoluene[4-]	UJ	LDL3	The Contract Required Detection Limit check standard recovery failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS90	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS90	Dinitrotoluene[2,4-] Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS90	Amino-2,6-dinitrotoluene[4-] Tetryl	UJ	LMS3	The Matrix Spike/Matrix Spike Duplicate %Recovery failed low.
166359	High Explosives	SW-846:8321A_MOD	GU060600PSFS90	2,4-Diamino-6-nitrotoluene 3,5-dinitroaniline TATB Tri-o-cresylphosphate (TOCP)	UJ	LMS4	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria or the recoveries fail both high and low.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166359	Metals	SW-846:6010B	GF060600PSFS01	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166359	Metals	SW-846:6020 SW-846:6010B	GF060600PSFS90	Antimony Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166359	Metals	SW-846:6020	GF060600PSFS90	Selenium	UJ	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.
166359	Metals	SW-846:6020	GF060600PSFS90	Selenium	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166359	Metals	EPA:245.2	GU060600PSFS01	Mercury	UJ	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.
166359	Metals	SW-846:6020	GU060600PSFS90	Selenium	UJ	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.
166359	Metals	SW-846:6020	GU060600PSFS90	Selenium	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166359	Pesticides PCBs	SW-846:8081A	GU060600PSFS01, GU060600PSFS90	All Target Analytes	UJ	P14b	The matrix spike and/or the matrix spike duplicate analysis were not performed on a sample associated with a LANL request number.
166359	Radionuclides	EPA:900	GF060600PSFS01	Gross beta	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
166359	Radionuclides	HASL-300:ISOPU	GF060600PSFS90	Plutonium-238 Plutonium-239/240	J+	R1b	The tracer %R value is 10-30% inclusive and the sample result is less than the Minimum Detectable Activity.
166359	Radionuclides	EPA:900	GU060600PSFS01 GU060600PSFS90	Gross beta	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
166359	Semivolatile Organic Analytes	SW-846:8270C	GU060600PSFS01	Dichlorophenol[2,4-] Dinitrophenol[2,4-] Nitrophenol[2-] Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	R	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166359	Semivolatile Organic Analytes	SW-846:8270C	GU060600PSFS01	Chloro-3-methylphenol[4-] Chlorophenol[2-] Dichlorophenol[2,4-] Dimethylphenol[2,4-] Methylphenol[2-] Methylphenol[3-,4-] Nitrophenol[2-] Phenol Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
166359	Semivolatile Organic Analytes	SW-846:8270C	GU060600PSFS01	Chloro-3-methylphenol[4-] Chlorophenol[2-] Dichlorobenzene[1,3-] Dichlorobenzene[1,4-] Dinitro-2-methylphenol[4,6-] Hexachloroethane Pentachlorophenol	UJ	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.
166359	Semivolatile Organic Analytes	SW-846:8270C	GU060600PSFS90	Dichlorophenol[2,4-] Dinitrophenol[2,4-] Nitrophenol[2-] Trichlorophenol[2,4,5-]	R	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.
166359	Semivolatile Organic Analytes	SW-846:8270C	GU060600PSFS90	Chloro-3-methylphenol[4-] Chlorophenol[2-] Dichlorophenol[2,4-] Dimethylphenol[2,4-] Methylphenol[2-] Methylphenol[3-,4-] Nitrophenol[2-] Phenol Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
166359	Semivolatile Organic Analytes	SW-846:8270C	GU060600PSFS90	Chloro-3-methylphenol[4-] Chlorophenol[2-] Dichlorobenzene[1,3-] Dichlorobenzene[1,4-] Dinitro-2-methylphenol[4,6-] Hexachloroethane Pentachlorophenol	UJ	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01	Acetone	U	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.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01	Dichloropropane[2,2-]	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS01-FTB	Dichloropropane[2,2-]	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS90	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS90	Acetone	U	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.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS90	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166359	Volatile Organic Analytes	SW-846:8260B	GU060600PSFS90	Dichloropropane[2,2-]	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
166624	General Inorganic	EPA:160.2	GU060700E12302	Suspended Sediment Concentration	J	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.
166624	General Inorganic	EPA:335.3	GU060700E12302	Cyanide (Total)	JN-	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166624	General Inorganic	EPA:350.1	GU060700E12302	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166624	General Inorganic	SW-846:9012A	GU060700E12302	Cyanide, Amenable	UJ	I10a	The duplicate sample Relative Percent Difference 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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166624	General Inorganic	SW-846:9012A	GU060700E12302	Cyanide, Amenable	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166624	Radionuclides	HASL-300:AM-241 HASL-300:ISOPU Generic:Alpha-Spec Generic:Alpha-Spec Generic:Alpha-Spec HASL-300:ISOU HASL-300:ISOU	GU060700E12302	Americium-241 Plutonium-239/240 Thorium-228 Thorium-230 Thorium-232 Uranium-234 Uranium-238	J	R7b	The duplicate and sample results have a duplicate error ratio that is greater than 2.0.
166624	Radionuclides	EPA:900 EPA:903.1 Generic:Alpha-Spec Generic:Alpha-Spec HASL-300:ISOU	GU060700E12302	Gross alpha Radium-226 Thorium-228 Thorium-232 Uranium-235/236	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
166624	Radionuclides	EPA:900	GU060700E12302	Gross alpha Gross beta	J-	R3a	The matrix spike %Recovery value is less than the lower limit and the sample result is greater than the Minimum Detectable Activity.
166703	Metals	EPA:200.7 EPA:200.8 EPA:200.7	GF060700E12304	Aluminum Chromium Copper	J	I10	The duplicate sample Relative Percent Difference 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.
166703	Metals	EPA:200.8 EPA:200.7	GF060700E12304	Aluminum Iron Lead	J	I14b	The Matrix Spike analysis was not performed on a sample associated with this request number.
166703	Metals	EPA:200.8	GF060700E12304	Chromium	J+	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.
166703	Metals	EPA:200.7	GF060700E12304	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166703	Metals	EPA:200.7 EPA:200.8 EPA:200.8 EPA:200.8	GF060700E12304	Arsenic Lead Silver Thallium	UJ	I10a	The duplicate sample Relative Percent Difference 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.
166703	Metals	EPA:200.8	GF060700E12304	Selenium	UJ	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.
166703	Metals	EPA:200.8	GU060700E12304	Chromium	J	I14b	The Matrix Spike analysis was not performed on a sample associated with this request number.
166703	Metals	EPA:200.8	GU060700E12304	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	General Inorganic	EPA:150.1	GF060500G11R01	pH	J	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.
166962	General Inorganic	EPA:350.1 EPA:365.4	GF060500G11R01	Ammonia as Nitrogen Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	EPA:335.3 EPA:351.2	GF060500G11R01	Cyanide (Total) Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166962	General Inorganic	EPA:150.1	GF060500G11R90	pH	J	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.
166962	General Inorganic	EPA:350.1 EPA:365.4	GF060500G11R90	Ammonia as Nitrogen Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	EPA:335.3 EPA:351.2	GF060500G11R90	Cyanide (Total) Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166962	General Inorganic	EPA:150.1	GU060500G11R01	pH	J	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.
166962	General Inorganic	EPA:350.1	GU060500G11R01	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	EPA:335.3 EPA:351.2	GU060500G11R01	Cyanide (Total) Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166962	General Inorganic	EPA:150.1	GU060500G11R01-FB	pH	J	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.
166962	General Inorganic	EPA:350.1	GU060500G11R01-FB	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	SW-846:6010B	GU060500G11R01-FB	Calcium	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	General Inorganic	SW-846:6010B	GU060500G11R01-FB	Sodium	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	EPA:365.4	GU060500G11R01-FB	Total Phosphate as Phosphorus	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	EPA:335.3 EPA:351.2	GU060500G11R01-FB	Cyanide (Total) Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166962	General Inorganic	EPA:150.1	GU060500G11R90	pH	J	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.
166962	General Inorganic	EPA:350.1	GU060500G11R90	Ammonia as Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	General Inorganic	EPA:335.3 EPA:351.2	GU060500G11R90	Cyanide (Total) Total Kjeldahl Nitrogen	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	Nitrotoluene[3-]	UJ	LDL3	The Contract Required Detection Limit check standard recovery failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	Amino-4,6-dinitrotoluene[2-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Trichloroethene	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Trichlorofluoromethane	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Trichloropropane[1,2,3-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Trimethylbenzene[1,2,4-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Trimethylbenzene[1,3,5-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Vinyl acetate	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Vinyl Chloride	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Xylene[1,2-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Xylene[1,3-]+Xylene[1,4-]	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R01	Benzo(a)pyrene	R	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.
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R01	Benzo(g,h,i)perylene	R	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.
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R01	Atrazine	UJ	SV7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R01	Acenaphthene Acenaphthylene Anthracene Atrazine Azobenzene Benzidine Benzo(a)anthracene Benzo(a)pyrene Benzoic Acid Bis(2-chloroethoxy)methane Bis(2-ethylhexyl)phthalate Butylbenzylphthalate Nitrobenzene Nitrophenol[2-] Nitrophenol[4-] Nitrosodiethylamine[N-] Nitroso-di-n-butylamine[N-] Nitroso-di-n-propylamine[N-] Nitrosopyrrolidine[N-] Oxybis(1-chloropropane)[2,2'-] Pentachlorobenzene Pentachlorophenol Phenanthrene Phenol Pyrene Tetrachlorobenzene[1,2,4,5-] Tetrachlorophenol[2,3,4,6-] Trichlorobenzene[1,2,4-] Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600P12301	Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene	UJ	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	Tetryl Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	Amino-2,6-dinitrotoluene[4-] Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	Amino-2,6-dinitrotoluene[4-] Tetryl Tri-o-cresylphosphate (TOCP)	UJ	LL4	The Laboratory Control Sample %Recovery failed both high and low, or the Laboratory Control Sample/Laboratory Control Sample Duplicate Relative Percent Difference failed to meet criteria.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01	All Target Analytes	UJ	LMS1	An applicable Matrix Spike/Matrix Spike Duplicate analysis was not performed.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01-FB	Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01-FB	Nitrotoluene[3-]	UJ	LDL3	The Contract Required Detection Limit check standard recovery failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01-FB	Amino-4,6-dinitrotoluene[2-] Tetryl Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01-FB	Amino-2,6-dinitrotoluene[4-] Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01-FB	Amino-2,6-dinitrotoluene[4-] Tetryl Tri-o-cresylphosphate (TOCP)	UJ	LL4	The Laboratory Control Sample %Recovery failed both high and low, or the Laboratory Control Sample/Laboratory Control Sample Duplicate Relative Percent Difference failed to meet criteria.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R01-FB	All Target Analytes	UJ	LMS1	An applicable Matrix Spike/Matrix Spike Duplicate analysis was not performed.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	Amino-4,6-dinitrotoluene[2-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	Trinitrotoluene[2,4,6-]			
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	Tetryl	UJ	LDL3	The Contract Required Detection Limit check standard recovery failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	Amino-4,6-dinitrotoluene[2-] Tetryl Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	Amino-2,6-dinitrotoluene[4-] Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	Amino-2,6-dinitrotoluene[4-] Tetryl Tri-o-cresylphosphate (TOCP)	UJ	LL4	The Laboratory Control Sample %Recovery failed both high and low, or the Laboratory Control Sample/Laboratory Control Sample Duplicate Relative Percent Difference failed to meet criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	High Explosives	SW-846:8321A_MOD	GU060500G11R90	All Target Analytes	UJ	LMS1	An applicable Matrix Spike/Matrix Spike Duplicate analysis was not performed.
166962	Metals	SW-846:6010B	GF060500G11R01, GF060500G11R90	Iron Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	Metals	SW-846:6020	GU060500G11R01-FB	Chromium Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	Metals	SW-846:6010B	GU060500G11R90	Molybdenum	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
166962	Radionuclides	EPA:905.0	GF060500G11R90	Strontium-90	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
166962	Radionuclides	HASL-300:ISOU	GU060500G11R01-FB	Uranium-234	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
166962	Semivolatile Organic Analytes	SW-846:8270C	GU060500G11R01-FB	Bis(2-ethylhexyl)phthalate	J	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
166962	Semivolatile Organic Analytes	SW-846:8270C	GU060500G11R01-FB	Benzo(a)pyrene Benzo(g,h,i)perylene	R	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.
166962	Semivolatile Organic Analytes	SW-846:8270C	GU060500G11R01-FB	Atrazine	UJ	SV7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	Semivolatile Organic Analytes	SW-846:8270C	GU060500G11R01-FB	Acenaphthene Acenaphthylene Anthracene Atrazine Azobenzene Benzidine Benzo(a)anthracene Benzo(a)pyrene Benzoic Acid Bis(2-chloroethoxy)methane Butylbenzylphthalate Chloro-3-methylphenol[4-] Chloronaphthalene[2-] Chlorophenol[2-] Chrysene Dichlorophenol[2,4-] Diethylphthalate Dimethyl Phthalate Dimethylphenol[2,4-] Di-n-butylphthalate Dinitrotoluene[2,6-] Di-n-octylphthalate Dioxane[1,4-] Diphenylamine Fluoranthene Fluorene Isophorone Methylphenol[2-] Methylphenol[3-,4-] Nitroaniline[2-] Nitrobenzene Nitrophenol[2-] Nitrophenol[4-] Nitrosodimethylamine[N-] Nitroso-di-n-propylamine[N-] Oxybis(1-chloropropane)[2,2'-] Phenanthrene Phenol Pyrene Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166962	Semivolatile Organic Analytes	SW-846:8270C	GU060500G11R01-FB	Chlorophenyl-phenyl[4-] Ether Dibenzofuran Dichlorobenzene[1,2-] Dichlorobenzene[1,3-] Dichlorobenzene[1,4-] Diphenylamine Hexachlorobutadiene Hexachloroethane Methylnaphthalene[1-] Trichlorobenzene[1,2,4-]	UJ	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.
166962	Semivolatile Organic Analytes	SW-846:8270C	GU060500G11R01-FB	Hexachlorocyclopentadiene	UJ	SWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166962	Volatile Organic Analytes	SW-846:8260B	GU060500G11R01-FB	All Target Analytes	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R01	Chloro-3-methylphenol[4-] Chloronaphthalene[2-] Chlorophenol[2-] Chrysene Dichlorophenol[2,4-] Diethylphthalate Dimethyl Phthalate Dimethylphenol[2,4-] Di-n-butylphthalate Dinitrotoluene[2,6-] Di-n-octylphthalate Dioxane[1,4-] Diphenylamine Fluoranthene Fluorene Isophorone Methylphenol[2-] Methylphenol[3-,4-] Nitroaniline[2-] Nitrobenzene Nitrophenol[2-] Nitrophenol[4-] Nitrosodimethylamine[N-] Nitroso-di-n-propylamine[N-] Oxybis(1-chloropropane)[2,2'-] Phenanthrene Phenol Pyrene Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R01	Chlorophenyl-phenyl[4-] Ether Dibenzofuran Dichlorobenzene[1,2-] Dichlorobenzene[1,3-] Dichlorobenzene[1,4-] Diphenylamine Hexachlorobutadiene Hexachloroethane Methylnaphthalene[1-] Trichlorobenzene[1,2,4-]	UJ	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.
166965	Semivolatile Organic Analytes	SW-846:8260B	GU060600G11R01	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166965	Semivolatile Organic Analytes	SW-846:8260B	GU060600G11R01	Butanol[1-] Diethyl Ether	UJ	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.
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R90	Benzo(a)pyrene Benzo(g,h,i)perylene	R	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.
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R90	Atrazine	UJ	SV7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R90	Acenaphthene Acenaphthylene Anthracene Atrazine Azobenzene Benzidine Benzo(a)anthracene Benzo(a)pyrene Benzoic Acid Bis(2-chloroethoxy)methane Bis(2-ethylhexyl)phthalate Butylbenzylphthalate Chloro-3-methylphenol[4-] Chloronaphthalene[2-] Chlorophenol[2-] Chrysene Dichlorophenol[2,4-] Diethylphthalate Dimethyl Phthalate Dimethylphenol[2,4-] Di-n-butylphthalate Dinitrotoluene[2,6-] Di-n-octylphthalate Dioxane[1,4-] Diphenylamine Fluoranthene Fluorene Isophorone Methylphenol[2-] Methylphenol[3-,4-] Nitroaniline[2-] Nitrobenzene Nitrophenol[2-] Nitrophenol[4-] Nitrosodimethylamine[N-] Nitroso-di-n-propylamine[N-] Oxybis(1-chloropropane)[2,2'-] Phenanthrene Phenol Pyrene Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166965	Semivolatile Organic Analytes	SW-846:8270C	GU060600G11R90	Chlorophenyl-phenyl[4-] Ether Dibenzofuran Dichlorobenzene[1,2-] Dichlorobenzene[1,3-] Dichlorobenzene[1,4-] Diphenylamine Hexachlorobutadiene Hexachloroethane Methylnaphthalene[1-] Trichlorobenzene[1,2,4-]	UJ	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.
166965	Semivolatile Organic Analytes	SW-846:8260B	GU060600G11R90	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166965	Semivolatile Organic Analytes	SW-846:8260B	GU060600G11R90	Butanol[1-] Diethyl Ether	UJ	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01	All Target Analytes	UJ	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01	Dichlorodifluoromethane	UJ	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	Acetone	J	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	Acetone	J+	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	Acetone	U	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	All Target Analytes	UJ	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.
166965	Volatile Organic Analytes	SW-846:8260B	GU060600G11R90	Dichlorodifluoromethane	UJ	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.
166966	Semivolatile Organic Analytes	SW-846:8260B	GU060600G11R01-FTB	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166966	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166966	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01-FTB	Methyl-1-propanol[2-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
166966	Volatile Organic Analytes	SW-846:8260B	GU060600G11R01-FTB	Dichlorodifluoromethane	UJ	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.
167051	General Inorganic	EPA:150.1	GF06050G12R101	pH	J	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.
167051	General Inorganic	EPA:335.3	GF06050G12R101	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167051	General Inorganic	EPA:150.1	GU06050G12R101	pH	J	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.
167051	General Inorganic	EPA:335.3	GU06050G12R101	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167051	High Explosives	SW-846:8321A_MOD	GU06050G12R101	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
167051	High Explosives	SW-846:8321A_MOD	GU06050G12R101	Nitrotoluene[3-] Nitrotoluene[4-]	UJ	LI4	The initial calibration slope or Response Factor criteria were not met.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167051	High Explosives	SW-846:8321A_MOD	GU06050G12R101	Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
167051	High Explosives	SW-846:8321A_MOD	GU06050G12R101	Amino-2,6-dinitrotoluene[4-] Amino-4,6-dinitrotoluene[2-] Nitrotoluene[2-] Nitrotoluene[3-] PETN Tetryl Trinitrotoluene[2,4,6-] Tri-o-cresylphosphate (TOCP)	UJ	LL4	The Laboratory Control Sample %Recovery failed both high and low, or the Laboratory Control Sample/Laboratory Control Sample Duplicate Relative Percent Difference failed to meet criteria.
167051	High Explosives	SW-846:8321A_MOD	GU06050G12R101	All Target Analytes	UJ	LMS1	An applicable Matrix Spike/Matrix Spike Duplicate analysis was not performed.
167051	Metals	SW-846:6020 SW-846:6010B	GF06050G12R101	Antimony Tin	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167051	Radionuclides	EPA:901.1 EPA:900 HASL-300:ISOU	GF06050G12R101	Cesium-137 Gross beta Uranium-234	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
167051	Semivolatile Organic Analytes	SW-846:8270C	GU06050G12R101-EQB	Benzidine	R	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.
167051	Semivolatile Organic Analytes	SW-846:8270C	GU06050G12R101-EQB	Aniline Atrazine Benzidine Chloroaniline[4-] Dichlorobenzidine[3,3'-] Dinoseb Dioxane[1,4-] Nitroaniline[2-] Nitroaniline[3-] Nitroaniline[4-] Nitrosodiethylamine[N-] Nitroso-di-n-butylamine[N-] Nitrosopyrrolidine[N-] Pentachlorobenzene Tetrachlorobenzene[1,2,4,5-] Tetrachlorophenol[2,3,4,6-]	UJ	SV16	Required calibration information is missing or samples were analyzed on an expired calibration. Data may not be acceptable for use.
167051	Semivolatile Organic Analytes	SW-846:8270C	GU06050G12R101-EQB	Benzidine Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167051	Semivolatile Organic Analytes	SW-846:8270C	GU06050G12R101-EQB	Di-n-octylphthalate	UJ	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.
167051	Volatile Organic Analytes	SW-846:8260B	GU06050G12R101-EQB	Acetone Butanone[2-]	J	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167051	Volatile Organic Analytes	SW-846:8260B	GU06050G12R101-EQB	Acetone Butanone[2-]	J+	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167051	Volatile Organic Analytes	SW-846:8260B	GU06050G12R101-EQB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167051	Volatile Organic Analytes	SW-846:8260B	GU06050G12R101-EQB	All Target Analytes	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167051	Volatile Organic Analytes	SW-846:8260B	GU06050G12R101-EQB	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167051	Volatile Organic Analytes	SW-846:8260B	GU06050G12R101-EQB	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167053	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R101	Benzidine	R	SV12a	The Laboratory Control Sample percent recovery was less than 10%.
167053	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R101	Benzidine Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167053	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R101	Di-n-octylphthalate	UJ	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.
167053	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R101	Butanol[1-]	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167053	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101	Acetone	J+	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.
167053	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101	Acetone	J+	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167053	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167053	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101	Acetonitrile Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167055	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R101-FTB	Butanol[1-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167055	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167055	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101-FTB	All Target Analytes	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167055	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101-FTB	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167055	Volatile Organic Analytes	SW-846:8260B	GU06060G12R101-FTB	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167125	General Inorganic	EPA:351.2	GF06050G12R201	Total Kjeldahl Nitrogen	J	I10	The duplicate sample Relative Percent Difference 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.
167125	General Inorganic	EPA:150.1	GF06050G12R201	pH	J	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.
167125	General Inorganic	SW-846:6010B	GF06050G12R201	Silicon Dioxide	J-	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.
167125	General Inorganic	EPA:351.2	GF06050G12R201	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167125	General Inorganic	EPA:335.3	GF06050G12R201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167125	General Inorganic	EPA:351.2	GU06050G12R201	Total Kjeldahl Nitrogen	J	I10	The duplicate sample Relative Percent Difference 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.
167125	General Inorganic	EPA:150.1	GU06050G12R201	pH	J	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.
167125	General Inorganic	SW-846:6010B	GU06050G12R201	Silicon Dioxide	J-	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167125	General Inorganic	EPA:351.2	GU06050G12R201	Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167125	General Inorganic	EPA:335.3	GU06050G12R201	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167125	High Explosives	SW-846:8321A_MOD	GU06050G12R201	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
167125	High Explosives	SW-846:8321A_MOD	GU06050G12R201	Nitrotoluene[3-] Nitrotoluene[4-]	UJ	LI4	The initial calibration slope or Response Factor criteria were not met.
167125	High Explosives	SW-846:8321A_MOD	GU06050G12R201	Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
167125	High Explosives	SW-846:8321A_MOD	GU06050G12R201	All Target Analytes	UJ	LMS1	An applicable Matrix Spike/Matrix Spike Duplicate analysis was not performed.
167125	Metals	SW-846:6020	GU06050G12R201	Chromium Zinc Nickel	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167125	Pesticides PCBs	SW-846:8082	GU06050G12R201	Aroclor-1242	U	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.
167125	Radionuclides	EPA:900	GF06050G12R201	Gross alpha	J-	R3c	The matrix spike %Recovery value is less than the lower limit and the sample result is less than the Minimum Detectable Activity.
167125	Radionuclides	EPA:900 HASL-300:ISOPU	GU06050G12R201	Gross beta Plutonium-238	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
167125	Radionuclides	EPA:900	GU06050G12R201	Gross alpha	J-	R3a	The matrix spike %Recovery value is less than the lower limit and the sample result is greater than the Minimum Detectable Activity.
167125	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R201	Benzidine	R	SV12a	The Laboratory Control Sample percent recovery was less than 10%.
167125	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R201	Butanol[1-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167125	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R201	Benzidine Hexachlorobutadiene	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167125	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R201	Di-n-octylphthalate	UJ	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.
167125	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R201	Butanol[1-]	UJ	VWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167125	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R201	Butanol[1-]	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167125	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201	Acetone	J	VWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167125	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201	Dioxane[1,4-] Methyl-1-propanol[2-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167125	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201	Acetonitrile Acrolein Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167125	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201	Acetonitrile Butylbenzene[n-] Butylbenzene[sec-] Butylbenzene[tert-] Carbon Disulfide Carbon Tetrachloride Chloroethane Chloromethane Dichlorodifluoromethane Dichloroethene[1,1-] Dichloroethene[trans-1,2-] Dichloropropane[2,2-] Dichloropropene[1,1-] Ethylbenzene Hexachlorobutadiene Isopropylbenzene Isopropyltoluene[4-] Propylbenzene[1-] Tetrachloroethene Toluene Trichloroethane[1,1,1-] Trichloroethene Trichlorofluoromethane Trimethylbenzene[1,3,5-] Vinyl Chloride Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167133	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Butanol[1-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167133	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Butanol[1-] Diethyl Ether	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167133	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Acetone	J	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167133	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Acetone	J+	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167133	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167133	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	All Target Analytes	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167133	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167133	Volatile Organic Analytes	SW-846:8260B	GU06060G12R201-FTB	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	General Inorganic	EPA:150.1	GF060600P12301 GF060600PMSC01	pH	J	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.
167148	General Inorganic	SW-846:6010B	GF060600P12301 GF060600PMSC01	Silicon Dioxide	J-	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.
167148	General Inorganic	EPA:350.1	GU060600PMSC01	Ammonia as Nitrogen	JN-	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167148	High Explosives	SW-846:8321A_MOD	GU060600P12301	Tetryl	R	LMS3	The Matrix Spike/Matrix Spike Duplicate %Recovery failed low.
167148	High Explosives	SW-846:8321A_MOD	GU060600P12301	Nitrotoluene[4-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
167148	High Explosives	SW-846:8321A_MOD	GU060600P12301	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
167148	High Explosives	SW-846:8321A_MOD	GU060600P12301	Trinitrobenzene[1,3,5-]	UJ	LMS3	The Matrix Spike/Matrix Spike Duplicate %Recovery failed low.
167148	High Explosives	SW-846:8321A_MOD	GU060600P12301	Amino-4,6-dinitrotoluene[2-] Tetryl	UJ	LMS4	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria or the recoveries fail both high and low.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Tetryl	R	LMS3	The Matrix Spike/Matrix Spike Duplicate %Recovery failed low.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Nitrotoluene[4-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Nitrotoluene[3-] Nitrotoluene[4-]	UJ	LI4	The initial calibration slope or Response Factor criteria were not met.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Dinitrobenzene[1,3-] HMX Nitrobenzene RDX Tetryl Trinitrobenzene[1,3,5-]	UJ	LIS1	The Internal Standard area count failed high.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Dinitrobenzene[1,3-] Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Trinitrobenzene[1,3,5-]	UJ	LMS3	The Matrix Spike/Matrix Spike Duplicate %Recovery failed low.
167148	High Explosives	SW-846:8321A_MOD	GU060600PMSC01	Amino-4,6-dinitrotoluene[2-] Tetryl	UJ	LMS4	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria or the recoveries fail both high and low.
167148	Metals	SW-846:6010B SW-846:6020	GF060600P12301	Iron Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167148	Metals	SW-846:6020 SW-846:6010B SW-846:6020	GF060600PMSC01	Antimony Iron Nickel	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167148	Pesticides PCBs	SW-846:8082	GU060600P12301	Aroclor-1242 Aroclor-1254 Aroclor-1260	J	PWQ2	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Pesticides PCBs	SW-846:8082	GU060600P12301	Aroclor-1242	U	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.
167148	Pesticides PCBs	SW-846:8082	GU060600P12301	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1248 Aroclor-1262	UJ	PWQ2	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Pesticides PCBs	SW-846:8082	GU060600PMSC01	Aroclor-1242	J	PWQ2	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Pesticides PCBs	SW-846:8082	GU060600PMSC01	Aroclor-1242	U	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167148	Pesticides PCBs	SW-846:8082	GU060600PMSC01	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	UJ	PWQ2	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Radionuclides	HASL-300:AM-241	GF060600P12301	Americium-241	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600P12301	Benzidine Benzoic Acid	R	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.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600P12301	All Target Analytes	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600P12301	All Target Analytes	UJ	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.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600P12301	Atrazine Benzidine Nitroaniline[3-] Nitroaniline[4-]	UJ	SWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600PMSC01	Benzoic Acid Chloro-3-methylphenol[4-] Chlorophenol[2-] Dichlorophenol[2,4-] Dimethylphenol[2,4-] Dinitro-2-methylphenol[4,6-] Dinitrophenol[2,4-] Dinoseb Methylphenol[2-] Methylphenol[3-,4-] Nitrophenol[2-] Nitrophenol[4-] Pentachlorophenol Phenol Tetrachlorophenol[2,3,4,6-] Trichlorophenol[2,4,5-] Trichlorophenol[2,4,6-]	R	SV3d	The result is a nondetect and a surrogate in the related fraction is less than 10% Recovery, which indicates a greatly increased potential for false negative results.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600PMSC01	Benzidine Benzoic Acid	R	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600PMSC01	All Target Analytes	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600PMSC01	All Target Analytes	UJ	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.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600PMSC01	Atrazine Benzidine Nitroaniline[3-]	UJ	SWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Semivolatile Organic Analytes	SW-846:8270C	GU060600PMSC01	Nitroaniline[4-]	UJ	SWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301	Acetone	U	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.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301-FTB	Acetone	J+	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301-FTB	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600P12301-FTB	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01	Acetone	U	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.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01-FTB	Acetone	J+	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01-FTB	Dioxane[1,4-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01-FTB	Acetone	U	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.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01-FTB	Acetonitrile Acrolein Methyl-1-propanol[2-] Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167148	Volatile Organic Analytes	SW-846:8260B	GU060600PMSC01-FTB	Acrolein	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167206	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R302	Benzidine	R	SV12a	The Laboratory Control Sample percent recovery was less than 10%.
167206	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R302	Butanol[1-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167206	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R302	Benzidine	UJ	SWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167206	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R302	Di-n-octylphthalate Hexachlorocyclopentadiene	UJ	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.
167206	Semivolatile Organic Analytes	SW-846:8270C	GU06060G12R302	Chloroaniline[4-]	UJ	SWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167206	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R302	Butanol[1-]	UJ	VWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167206	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R302	Butanol[1-]	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167206	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302	Acetone	J	VWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167206	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302	Acetone	J+	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.
167206	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302	Dioxane[1,4-] Methyl-1-propanol[2-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167206	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302	Acetone	U	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.
167206	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302	Acetonitrile Acrolein Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167206	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302	Acetonitrile Butanone[2-] Butylbenzene[n-] Butylbenzene[sec-] Butylbenzene[tert-] Carbon Disulfide Carbon Tetrachloride Chloroethane Chloromethane Dichlorodifluoromethane Dichloroethene[1,1-] Dichloroethene[trans-1,2-] Dichloropropane[2,2-] Dichloropropene[1,1-] Ethylbenzene Hexachlorobutadiene Isopropylbenzene Isopropyltoluene[4-] Propylbenzene[1-] Tetrachloroethene Toluene Trichloroethane[1,1,1-] Trichloroethene Trichlorofluoromethane Trimethylbenzene[1,3,5-] Vinyl Chloride Xylene[1,3-]+Xylene[1,4-]	UJ	VWQ1	Relative percent difference of the Matrix Spike/Matrix Spike Duplicate is greater than the acceptance criteria.
167207	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Butanol[1-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167207	Semivolatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Butanol[1-] Diethyl Ether	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167207	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Acetone	J	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167207	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Acetone	J+	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167207	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Dioxane[1,4-] Methyl-1-propanol[2-]	R	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167207	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	All Target Analytes	UJ	V14b	The matrix spike and/or the matrix spike duplicate analysis was not performed on a sample associated with a LANL request number.
167207	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Acetonitrile Acrolein Propionitrile	UJ	V7b	The affected analytes were analyzed with a Relative Response Factor of less than 0.05.
167207	Volatile Organic Analytes	SW-846:8260B	GU06060G12R302-FTB	Dioxane[1,4-]	UJ	VWQ9	Calibration Verification %Difference was greater than the acceptance criteria but less than 60%.
167210	General Inorganic	SW-846:6010B	GF06060G12R301	Silicon Dioxide	J	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.
167210	General Inorganic	EPA:150.1	GF06060G12R301	pH	J	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.
167210	General Inorganic	EPA:350.1 EPA:351.2	GF06060G12R301	Ammonia as Nitrogen Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167210	General Inorganic	EPA:335.3	GF06060G12R301	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167210	General Inorganic	SW-846:6010B	GU06060G12R301	Silicon Dioxide	J	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.
167210	General Inorganic	EPA:150.1	GU06060G12R301	pH	J	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.
167210	General Inorganic	EPA:350.1 EPA:351.2	GU06060G12R301	Ammonia as Nitrogen Total Kjeldahl Nitrogen	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167210	General Inorganic	EPA:335.3	GU06060G12R301	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LC3	The Continuing Calibration Verification %Difference failed low.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	All Target Analytes	UJ	LH1	The holding time is exceeded for sample analysis.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	Nitrotoluene[3-] Nitrotoluene[4-]	UJ	LI4	The initial calibration slope or Response Factor criteria were not met.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	Dinitrobenzene[1,3-] HMX Nitrobenzene RDX Tetryl Trinitrobenzene[1,3,5-]	UJ	LIS1	The Internal Standard area count failed high.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LIV3	The Initial Calibration Verification %Difference failed low.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	Tetryl	UJ	LL3	The Laboratory Control Sample %Recovery failed low.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	PETN Tetryl Trinitrobenzene[1,3,5-] Trinitrotoluene[2,4,6-]	UJ	LL4	The Laboratory Control Sample %Recovery failed both high and low, or the Laboratory Control Sample/Laboratory Control Sample Duplicate Relative Percent Difference failed to meet criteria.
167210	High Explosives	SW-846:8321A_MOD	GU06060G12R301	All Target Analytes	UJ	LMS1	An applicable Matrix Spike/Matrix Spike Duplicate analysis was not performed.
167210	Metals	SW-846:6010B	GF06060G12R301	Zinc	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167210	Radionuclides	EPA:900	GF06060G12R301	Gross beta	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
167210	Radionuclides	EPA:900	GF06060G12R301	Gross beta	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
167210	Radionuclides	EPA:900	GF06060G12R301	Gross alpha	J-	R3c	The matrix spike %Recovery value is less than the lower limit and the sample result is less than the Minimum Detectable Activity.
167210	Radionuclides	HASL-300:ISOPU	GF06060G12R301	Plutonium-239/240	R	RWQ3	Less than the negative Minimum Detectable Concentration.
167210	Radionuclides	EPA:900 EPA:900 HASL-300:ISOU	GU06060G12R301	Gross alpha Gross beta Uranium-235/236	J	RWQ2	Result values are less than 3 times the Minimum Detectable Concentration.
167210	Radionuclides	EPA:900	GU06060G12R301	Gross alpha	J-	R3a	The matrix spike %Recovery value is less than the lower limit and the sample result is greater than the Minimum Detectable Activity.
167577	General Inorganic	EPA:160.2	GU060700E12305	Suspended Sediment Concentration	J	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.
167577	General Inorganic	EPA:335.3	GU060700E12305	Cyanide (Total) Cyanide, Amenable	UJ	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.
167577	General Inorganic	EPA:335.3	GU060700E12305	Cyanide (Total)	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167577	Metals	EPA:200.8	GF060700E12305	Chromium	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.

Table D-4 (continued)

Request	Suite	Method	Sample	Analyte	Flag	Reason Code	Explanation
167577	Metals	EPA:200.8	GF060700E12305	Thallium	U	I4a	In comparison with the preparation blank, the sample result is greater than the Estimated Detection Limit but less than or equal to five times the concentration of the related analyte in the blank.
167577	Metals	EPA:200.8	GU060700E12305	Chromium	J	I16	Relative percent difference is greater than 10% in the serial dilution sample.
167577	Pesticides PCBs	EPA:608	GU060700E12305	Aroclor-1221	R	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.
167649	General Inorganic	EPA:310.1	GF060700E12303	Alkalinity-CO3+HCO3	J	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.
167649	General Inorganic	EPA:310.1	GF060700E12303	Alkalinity-CO3	R	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.
167649	General Inorganic	EPA:160.2	GU060700E12303	Suspended Sediment Concentration	J	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.
167649	General Inorganic	EPA:335.3	GU060700E12303	Cyanide (Total) Cyanide, Amenable	UJ	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.
167649	General Inorganic	EPA:335.3	GU060700E12303	Cyanide (Total) Cyanide, Amenable	UJ	IWQ2	Negative blank samples results were greater than the Method Detection Limit.
167649	Pesticides PCBs	EPA:608	GU060700E12303	Aroclor-1254 Aroclor-1260	J	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.
167649	Pesticides PCBs	EPA:608	GU060700E12303	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1262	R	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.

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Appendix E

Screening Results

Table E-1
Periodic Monitoring Screening Results
Groundwater Radionuclides

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Zone	Location Name	Well Class	Port Depth	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Uncert	Std Mda	Std Uom	Lab Code	Anyl Meth Code	Source Org Code	Load Date	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Sample Id	DOE DCG Scr Lvl	DOE DCG Ratio (Result/Scr Level)	DOE DW DCG Scr Lvl	DOE DW DCG Ratio (Result/Scr Level)	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	NMED Rad Prot Scr Lvl	NMED Rad Prot Ratio (Result/Scr Level)
WG	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468.1	07/11/06	Cs-137	F	CS			4.82	2.37	3.74	pCi/L	GELC	EPA:901.1	ESH-18HDRO	09/15/06		J	RWQ2	N	GF06050G12R101	3000	0	120	0.04			1000	0
WG	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06	Pu-238	UF	CS			0.0212	0.00645	0.0185	pCi/L	GELC	HASL-300:ISOPU	ESH-18HDRO	09/12/06		J	RWQ2	N	GU06050G12R201	40	0	1.6	0.01			20	0
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	Sr-90	F	CS	FD		0.5	0.101	0.323	pCi/L	GELC	EPA:905.0	ESH-18HDRO	09/09/06		J	RWQ2	N	GF060500G11R90	1000	0	40	0.01	8	0.06	500	0

Groundwater Tritium

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Zone	Location Name	Well Class	Port Depth	Start Date Time	Source Org Code	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Sample Id	Symbol	Std Result	Std Uncert	Std Mda	Std Mdl	Std Uom	Anyl Meth Code	Load Date	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag
WG	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468.1	07/11/06	ESH-18HDRO	H-3	UF	CS		UU06050G12R101	104.73	3.51	0.28737		pCi/L	Generic:LLEE	8/10/2006	UMTL				N	Detect
WG	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06	ESH-18HDRO	H-3	UF	CS		UU06050G12R201	12.58	0.42	0.28737		pCi/L	Generic:LLEE	8/11/2006	UMTL				N	Detect
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	H-3	UF	CS	FB	UU060500G11R01-FB	0.19	0.29	0.28737		pCi/L	Generic:LLEE	8/10/2006	UMTL		U	R5	N	ND
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	H-3	UF	CS	FD	UU060500G11R90	11.02	0.35	0.28737		pCi/L	Generic:LLEE	8/10/2006	UMTL				N	Detect
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	H-3	UF	CS		UU060500G11R01	11.18	0.38	0.28737		pCi/L	Generic:LLEE	8/10/2006	UMTL				N	Detect
WG	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06	ESH-18HDRO	H-3	UF	CS		UU06060G12R301	37.68	1.28	0.28737		pCi/L	Generic:LLEE	8/11/2006	UMTL				N	Detect

Groundwater General Inorganics

Fld Matrix Code	Analyte	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Zone	Location Name	Well Class	Port Depth	Start Date Time	Source Org Code	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Sample Id	Symbol	Std Result	Std Uncert	Std Mda	Std Uom	Load Date	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA SEC DW LVL Scr Lvl	EPA SEC DW LVL Ratio (Result/Scr Level)	NM GW LIM Scr Lvl
WG	NO3+NO2-N	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	F	FD	CS	GF060500G11R90	5.18			mg/L	09/09/06	GELC				N	10	0.52			10	0.52
WG	NO3+NO2-N	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	F		CS	GF060500G11R01	5.07			mg/L	09/09/06	GELC				N	10	0.51			10	0.51
WG	Na	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468.1	07/11/06	ESH-18HDRO	F		CS	GF06050G12R101	17.2			mg/L	09/15/06	GELC				N			20	0.86		
WG	Na	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468.1	07/11/06	ESH-18HDRO	UF		CS	GU06050G12R101	17.6			mg/L	09/15/06	GELC				N			20	0.88		
WG	Na	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06	ESH-18HDRO	F		CS	GF06050G12R201	13.7			mg/L	09/12/06	GELC				N			20	0.69		
WG	Na	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06	ESH-18HDRO	UF		CS	GU06050G12R201	13.4			mg/L	09/12/06	GELC				N			20	0.67		
WG	Na	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	F	FD	CS	GF060500G11R90	12			mg/L	09/09/06	GELC				N			20	0.6		
WG	Na	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	F		CS	GF060500G11R01	12.5			mg/L	09/09/06	GELC				N			20	0.63		
WG	Na	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	UF	FD	CS	GU060500G11R90	11.7			mg/L	09/09/06	GELC				N			20	0.59		
WG	Na	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	UF		CS	GU060500G11R01	11.8			mg/L	09/09/06	GELC				N			20	0.59		
WG	Na	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06	ESH-18HDRO	F		CS	GF06060G12R301	20			mg/L	09/12/06	GELC				N			20	1		
WG	Na	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06	ESH-18HDRO	UF		CS	GU06060G12R301	19.7			mg/L	09/12/06	GELC				N			20	0.99		

Groundwater Perchlorate

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Analyte	Anyl Meth Code	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Load Date	Lab Code	Source Org Code	Comments	Sample Id	Anyl Suite Code
WG	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468	07/11/06		F	CS	ClO4	SW846 6850 Modified	<	0.05	0.05	ug/L	1	U			N	09/15/06	GELC	ESH-18HDRO		GF06050G12R101	GENINORG
WG	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06		F	CS	ClO4	SW846 6850 Modified	<	0.05	0.05	ug/L	1	U			N	09/12/06	GELC	ESH-18HDRO		GF06050G12R201	GENINORG
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06		F	CS	ClO4	SW846 6850 Modified		0.807	0.05	ug/L	1				N	09/09/06	GELC	ESH-18HDRO		GF060500G11R01	GENINORG
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	FB	F	CS	ClO4	SW846 6850 Modified	<	0.05	0.05	ug/L	1	U			N	09/09/06	GELC	ESH-18HDRO		GF060500G11R01-FB	GENINORG
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	FD	F	CS	ClO4	SW846 6850 Modified		0.797	0.05	ug/L	1				N	09/09/06	GELC	ESH-18HDRO		GF060500G11R90	GENINORG
WG	500	600	Sandia Canyon	Regional	R-12	MULTI	811	07/12/06		F	CS	ClO4	SW846 6850 Modified		0.0685	0.05	ug/L	1	J			N	09/12/06	GELC	ESH-18HDRO		GF06060G12R301	GENINORG

Groundwater Metals

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Zone	Location Name	Well Class	Port Depth	Start Date Time	Source Org Code	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Uom	Load Date	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Sample Id	Column1	EPA SEC DW LVL	EPA SEC DW LVL RATIO	NM GW LIM	NM GW LIM RATIO	Fld Matrix Code
WG	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468.1	07/11/06	ESH-18HDRO	Mn	F	CS			37.2	ug/L	09/15/06	GELC				N	SW-846:6010B	GF06050G12R101	50	0.74			WG	500
WG	500	400	Sandia Canyon	Intermediate	R-12	MULTI	468.1	07/11/06	ESH-18HDRO	Mn	UF	CS			44.7	ug/L	09/15/06	GELC				N	SW-846:6010B	GU06050G12R101	50	0.89			WG	500
WG	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06	ESH-18HDRO	Mn	F	CS			29.1	ug/L	09/12/06	GELC				N	SW-846:6010B	GF06050G12R201	50	0.58			WG	500
WG	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06	ESH-18HDRO	Mn	UF	CS			28.7	ug/L	09/12/06	GELC				N	SW-846:6010B	GU06050G12R201	50	0.57			WG	500
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	Al	F	CS			75	ug/L	09/09/06	GELC	J*			N	SW-846:6010B	GF060500G11R01	50	1.5			WG	500
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	Cr	F	CS	FD		27.3	ug/L	09/09/06	GELC				N	SW-846:6020	GF060500G11R90			50	0.55	WG	500
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	Cr	F	CS			27.9	ug/L	09/09/06	GELC				N	SW-846:6020	GF060500G11R01			50	0.56	WG	500
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	Cr	UF	CS	FD		28.8	ug/L	09/09/06	GELC				N	SW-846:6020	GU060500G11R90			50	0.58	WG	500
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	ESH-18HDRO	Cr	UF	CS			30.9	ug/L	09/09/06	GELC				N	SW-846:6020	GU060500G11R01			50	0.62	WG	500
WG	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06	ESH-18HDRO	Mn	F	CS			132	ug/L	09/12/06	GELC				N	SW-846:6010B	GF06060G12R301	50	2.64	200	0.66	WG	500
WG	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06	ESH-18HDRO	Mn	UF	CS			138	ug/L	09/12/06	GELC				N	SW-846:6010B	GU06060G12R301	50	2.76	200	0.69	WG	500

Groundwater Organics

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Zone	Location Name	Well Class	Port Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Source Org Code	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Lab Sample Id	Anyl Meth Code	Lab Code	Load Date	Column1	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl	EPA TAP SCRN LVL Ratio (Result/Scr Level)	NM GW LIM Scr Lvl
WG	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06		UF	CS	GU06060G12R301	PEST/PCB	Aroclor-1242	53469-21-9	ESH-18HDRO	4.5	0.173	ug/L	5	B			N	########	SW-846:8082	GELC	09/12/06		0.5	9	0.03	133.87	1	4.5
WG	500	555	Sandia Canyon	Regional	R-11	SINGLE	855	07/10/06	FB	UF	CS	GU060500G11R01-FB	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	ESH-18HDRO	27.1	2.04	ug/L	1		J	SWQ1	N	########	SW-846:8270C	GELC	09/09/06		6	4.52	4.8	5.64		
WG	500	500	Sandia Canyon	Intermediate	R-12	MULTI	507	07/12/06		UF	CS	GU06060G12R201	VOA	Methylene Chloride	75-09-2	ESH-18HDRO	2.77	2	ug/L	1	J			N	########	SW-846:8260B	GELC	09/12/06		5	0.55	4.28	0.65		
WG	500	600	Sandia Canyon	Regional	R-12	MULTI	810.8	07/12/06		UF	CS	GU06060G12R302	VOA	Methylene Chloride	75-09-2	ESH-18HDRO	2.63	2	ug/L	1	J			N	########	SW-846:8260B	GELC	08/17/06		5	0.53	4.28	0.62		

Surface Water Radionuclides

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Hdr 2	Location Name	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Uncert	Std Mda	Std Uom	Lab Code	Anyl Meth Code	Source Org Code	Load Date	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Sample Id	Column1	DOE BCG WATER Scr Lvl	DOE BCG WATER Ratio (Result/Scr Level)	NMED Rad Prot Scr Lvl	NMED Rad Prot Ratio (Result/Scr Level)	Fld Matrix Code
WP	500	290	Sandia Canyon	E123	Sandia below Wetlands	07/12/06	Am-241	F	CS			0.0232	0.00706	0.0203	pCi/L	GELC	HASL-300:AM-241	ESH-18HDRO	09/13/06		J	RWQ2	N	GF060600P12301	400	0	20	0	WP	500

Surface Water Tritium

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Hdr 2	Location Name	Start Date Time	Source Org Code	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Sample Id	Symbol	Std Result	Std Uncert	Std Mda	Std Mdl	Std Uom	Anyl Meth Code	Load Date	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code
WP					Middle Sandia Canyon at terminus of persistent baseflow	07/12/06	ESH-18HDRO	H-3	UF	CS		UU060600PMSC01	121.01	3.83	0.28737		pCi/L	Generic:LLEE	8/11/2006	UMTL				N
WP					Sandia below Wetlands	07/12/06	ESH-18HDRO	H-3	UF	CS		UU060600P12301	27.59	0.93	0.28737		pCi/L	Generic:LLEE	8/11/2006	UMTL				N

Surface Water Perchlorate

Fld Matrix Code	Hdr 1 Sort Order	Hdr 2 Sort Order	Hdr 1	Hdr 2	Location Name	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Analyte	Anyl Meth Code	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Load Date	Lab Code	Source Org Code	Comments
WP	500	250	Sandia Canyon	E123	Sandia below Wetlands	07/12/06		F	CS	ClO4	SW846 6850 Modified	0.902	0.05	ug/L	1				N	09/13/06	GELC	ESH-18HDRO	GF060600P12301	GENINORG
WP					South Fork of Sandia Canyon at E122	06/29/06		F	CS	ClO4	EPA:314.0	6.36	4	ug/L	1	J			N	09/05/06	GELC	ESH-18HDRO	GF060600PSFS01	GENINORG
WP					South Fork of Sandia Canyon at E122	06/29/06		F	CS	ClO4	SW846 6850 Modified	0.702	0.05	ug/L	1				N	09/05/06	GELC	ESH-18HDRO	GF060600PSFS01	GENINORG
WP					South Fork of Sandia Canyon at E122	06/29/06	FD	F	CS	ClO4	SW846 6850 Modified	0.684	0.05	ug/L	1				N	09/05/06	GELC	ESH-18HDRO	GF060600PSFS90	GENINORG
WP					Middle Sandia Canyon at terminus of persistent baseflow	07/12/06		F	CS	ClO4	SW846 6850 Modified	0.324	0.05	ug/L	1				N	09/13/06	GELC	ESH-18HDRO	GF060600PMSC01	GENINORG

Surface Water Metals

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Hdr 2	Location Name	Start Date Time	Source Org Code	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Uom	Load Date	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Sample Id	FISH STDS CHRONIC Scr Lvl	FISH STDS CHRONIC Ratio (Result/Scr Level)	FISH STDS CHRONIC HARDNESS 100 mg/L Scr Lvl	FISH STDS CHRONIC HARDNESS 100 mg/L Ratio (Result/Scr Level)	NM WQCC WLDLF HAB Scr Lvl	NM WQCC WLDLF HAB Ratio (Result/Scr Level)
WP	500	290	Sandia Canyon	E123	Sandia below Wetlands	07/12/06	ESH-18HDRO	Al	UF	CS			947	ug/L	09/13/06	GELC				N	SW-846:6010B	GU060600P12301	87	10.89				
WP					Middle Sandia Canyon at terminus of persistent baseflow	07/12/06	ESH-18HDRO	Al	UF	CS			326	ug/L	09/13/06	GELC				N	SW-846:6010B	GU060600PMSC01	87	3.75				
WP					South Fork of Sandia Canyon at E122	06/29/06	ESH-18HDRO	Al	UF	CS	FD		177	ug/L	09/05/06	GELC	J			N	SW-846:6010B	GU060600PSFS90	87	2.03				
WP					South Fork of Sandia Canyon at E122	06/29/06	ESH-18HDRO	Al	UF	CS			125	ug/L	09/05/06	GELC	J			N	SW-846:6010B	GU060600PSFS01	87	1.44				
WP	500	290	Sandia Canyon	E123	Sandia below Wetlands	07/12/06	ESH-18HDRO	Pb	UF	CS			2	ug/L	09/13/06	GELC				N	SW-846:6020	GU060600P12301		3.8	0.53			WP
WP					South Fork of Sandia Canyon at E122	06/29/06	ESH-18HDRO	Se	F	CS			3.1	ug/L	09/05/06	GELC	J			N	SW-846:6020	GF060600PSFS01	5	0.62			5	0.62
WP					South Fork of Sandia Canyon at E122	06/29/06	ESH-18HDRO	Se	UF	CS			3.2	ug/L	09/05/06	GELC	J			N	SW-846:6020	GU060600PSFS01	5	0.64			5	0.64

Surface Water Organics

Fld Matrix Code	Hdr 1 Sort Order	Uli Sort Order	Hdr 1	Hdr 2	Location Name	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Source Org Code	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Lab Sample Id	Anyl Meth Code	Lab Code	Load Date	Lab Code	NM WQCC WLDLF HAB Scr Lvl	NM WQCC WLDLF HAB Ratio (Result/Scr Level)	NMWQCC HUM HEALTH EPHEM Scr Lvl	NMWQCC HUM HEALTH EPHEM Ratio (Result/Scr Level)	NMWQCC HUM HEALTH PEREN Scr Lvl	NMWQCC HUM HEALTH PEREN Ratio (Result/Scr Level)
WP	500	290	Sandia Canyon	E123	Sandia below Wetlands	07/12/06		UF	CS	GU060600P12301	PEST/PCB	Aroclor-1254	11097-69-1	ESH-18HDRO	0.067	0.0336	ug/L	1	J	J	PWQ2	N	########	SW-846:8082	GELC	09/13/06	0.01	4.79	0	39.41	0	39.41	WP
WP	500	290	Sandia Canyon	E123	Sandia below Wetlands	07/12/06		UF	CS	GU060600P12301	PEST/PCB	Aroclor-1260	11096-82-5	ESH-18HDRO	0.07	0.0336	ug/L	1	J	J	PWQ2	N	########	SW-846:8082	GELC	09/13/06	0.01	5	0	41.18	0	41.18	WP

Appendix F

Investigation Derived Waste Management

INVESTIGATION-DERIVED WASTE MANAGEMENT

This appendix describes the storage and disposal of investigation-derived waste (IDW) generated during this periodic groundwater monitoring event conducted in Sandia watershed under the Los Alamos National Laboratory (the Laboratory) Interim Facility-Wide Groundwater Monitoring Plan (Interim Plan). IDW is waste generated as a result of field investigation activities and may include, but is not limited to purge water; 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 Interim Plan is managed to protect human health and the environment, comply with applicable regulatory requirements, and adhere to Laboratory waste minimization goals.

All IDW generated during this periodic monitoring event is being (has been) managed in accordance with applicable Environmental Stewardship Division–Environmental Characterization and Remediation (ENV-ECR) 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, Department of Energy (DOE) orders, and Laboratory Implementation Requirements (LIRs).

SOPs applicable to the characterization and management of IDW are the following:

- ENV-ECR SOP-1.06, Revision 2, Management of Environmental Restoration Project Waste, and
- ENV-ECR SOP-1.10, Revision 2, Waste Characterization.

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

The Laboratory's 2005 Los Alamos National Laboratory Hazardous Waste Minimization Report (LANL 2005, 091291) 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.

Two particular documents are being implemented during the management of groundwater monitoring IDW:

- LANL Notice of Intent (NOI) Decision Tree (Revision 7/26/06) and
- Sandia Watershed Groundwater Monitoring Waste Characterization Strategy Form (WCSF)

The investigation-derived waste streams associated with groundwater monitoring are identified in Table C-1 and are briefly described below. Table C-1 summarizes the waste type, volumes, characterization methods, methods of on-site management, and disposition path for each of the waste streams.

Purge water: The purge water waste stream consists of groundwater purged from wells in the Sandia watershed prior to sampling in order to assure that representative samples are collected. Purge water is being managed and characterized in accordance with the Sandia Watershed Groundwater Monitoring Waste Characterization Strategy Form and the NOI Decision Tree, which is pending approval by the NMED Ground Water Quality Bureau (GWQB) and Hazardous Waste Bureau. The purge water is being characterized with analytical results from groundwater samples collected at the time of purging. The groundwater analyses are augmented by direct sampling of containerized purge waters as needed to fulfill disposal facility Waste Acceptance Criteria. The results of the analyses, along with acceptable knowledge of the sources of constituents identified in the purge water, will be used to determine whether

the water is hazardous waste in accordance with 40 CFR 262.11 (incorporated by 20.4.1.300 N MAC). If the water is determined to be hazardous, it will be treated or disposed of at a permitted off-site treatment, storage, or disposal (TSD) facility.

During the monitoring activity purge water was collected and containerized as it was removed from the wells. The type of container that was used depended on the volume of purge water expected and includes 5-gal. carboys stored in 55-gal. drums, 55-gal. drums or tanks. U.S. Department of Transportation (DOT)-approved containers are used, as appropriate for transport. The containers of purge water are managed conservatively and staged in satellite accumulation areas or less-than-90-day areas, pending results of analysis, hazardous waste determinations and WPF approval. These accumulation areas are approved by the Laboratory's Environmental Programs-RCRA (ENV-RCRA) Group. The accumulation areas may be at the location of the wells, or may be at other locations at the Laboratory. Containerized purge water will be characterized based on the results of the analysis of water samples from the associated well(s) or by direct sampling and analysis of the purge water, as described below. The groundwater analysis data are currently in review.

At wells where non-hazardous determinations have been made, the storage of the purge water has continued as non-hazardous pending comparison of the data to land application criteria and approval for discharge to the ground. At wells where non-hazardous determinations have been made, but land application criteria have not been met, the purge water has been transported and disposed at on-site facilities.

The Laboratory expects most of the remaining stored purge waters will eventually be approved for land application and discharged to the ground, designated nonhazardous liquid waste or radioactive liquid waste that would be sent to SWSC or the SERF Evaporation Basins, the RLWTF or the TA-53 Evaporation Basins, respectively. If purge water is approved for land application the discharge will be conducted in accordance with the terms and conditions of the Hydrogeologic Work Plan NOIs (dated July 26, 2002 and August 2, 2001). If the water is determined to be hazardous, it will be treated or disposed of at a permitted off-site treatment, storage, or disposal (TSD) facility along with the associated purge water.

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 sample location in containers such as, zip-lock baggies and accumulated in 55-gal. drums at well sites or at a consolidated accumulation area. Characterization of this waste stream is being performed through acceptable knowledge 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 groundwater from wells that have had a non-hazardous, non-radioactive determination, has been disposed at a New Mexico solid waste landfill. At present, the remaining spent PPE is being managed conservatively and staged in satellite accumulation areas or less-than-90-day areas at each well 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 non-hazardous waste that will be disposed of at a New Mexico solid waste landfill. If groundwater contains elevated radioactivity, the wastes may be designated as low-level radioactive waste and disposed of at TA-54 Area G. If the water is determined to be hazardous, it 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 for collecting samples that came into direct contact with contaminated

environmental media (i.e., purge water) and that cannot be decontaminated. This waste stream also includes wastes associated with dry decontamination activities, such as paper items. Spent disposable sampling supplies have been collected together with spent PPE from the same sample location in containers such as, zip-lock baggies and accumulated in 55-gal. drums at well sites or at a consolidated accumulation area. Characterization of this waste stream is being performed through acceptable knowledge 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 groundwater from wells that have had a non-hazardous, non-radioactive determination, has been disposed at a New Mexico solid waste landfill. 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 well 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 non-hazardous waste that will be disposed of at a New Mexico solid waste landfill. If groundwater contains elevated radioactivity, the wastes may be designated as low-level radioactive waste and disposed of at TA-54 Area G. If the water is determined to be hazardous, it will be treated or disposed of at a permitted off-site treatment, storage, or disposal (TSD) facility.

Decontamination fluids: The decontamination fluids waste stream consists of liquid wastes from decontamination activities (i.e., decontamination solutions and rinse waters, such as DI water and Alconox). Consistent with waste minimization practices, the Laboratory has employed dry decontamination methods to the extent possible. Where dry decontamination could not be performed, liquid decontamination wastes were collected in containers at the point of generation. The decontamination fluids waste stream has been accumulated in drums and is being characterized through acceptable knowledge of the waste materials, the levels of contamination observed in the environmental media (e.g., the results of the associated water samples) and, if necessary, direct sampling of the containerized waste.

These wastes will be designated the same as the associated purge water. The Laboratory expects most of these wastes will be designated nonhazardous liquid waste or radioactive liquid waste that would be sent to SWSC or the SERF Evaporation Basins, the RLWTF or the TA-53 Evaporation Basins, respectively. If the water is determined to be hazardous, it will be treated or disposed of at a permitted off-site treatment, storage, or disposal (TSD) facility along with the associated purge water.

Prior to the start of field investigation activities, the Sandia Watershed Groundwater Monitoring WCSF was prepared and approved per requirements of SOP 01.10, Revision 2. 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. If direct waste sampling is necessary, sampling and analysis procedures are described in the WCSF. The approved WCSF is provided as Attachment F-1 to this appendix.

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 prior to waste being generated. The selection of waste containers for transportation is pending final waste

determinations and segregation and will be based on appropriate DOT requirements, waste types, actual volumes of IDW to be disposed and transport mechanism.

REFERENCES

The following list includes all documents cited in Appendix F. Parenthetical information following each reference provides the author, publication date, and ER ID number. This information is also included in text citations. ER (or EP) ID numbers are assigned by the ENV-ERS Program Records Processing Facility (RPF) and are used to locate the document at the RPF.

Beers, B., July 16, 2002. "Notice of Intent to Discharge, Hydrogeologic Workplan Wells," Los Alamos National Laboratory letter RRES-WQH: 02-273 to C. Frischkorn (New Mexico Environment Department Ground Water Quality Bureau) from B. Beers (Los Alamos National Laboratory WQH Group), Los Alamos, New Mexico. (Beers 2002, 76405)

LANL, June 2006 . "Waste Characterization Strategy Form (WCSF) for the Sandia Watersheds Groundwater Monitoring," Los Alamos National Laboratory document LA-UR-??, Los Alamos, New Mexico. (LANL 2006, ??)

LANL (Los Alamos National Laboratory), November 2005. "Los Alamos National Laboratory Hazardous Waste Minimization Report," Los Alamos National Laboratory document LA-UR-05-8650, Los Alamos, New Mexico. (LANL 2005, 091291)

Appendix G

Analytical Reports

This appendix contains the reports provided by the analytical laboratory and includes the chains of custody, final chemical analytical data (reports), and level II QA/QC results. All of this information is located in the accompanying compact disc (CD).